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ABSTRACT

Results are reported of a study conducted to determine the status of available facility space in 113 North Carolina institutions of higher education at the end of the drop-add period of the 1990 fall term. Information is presented in four sections which reflect the four broad facilities concerns for which data is provided: the utilization of instructional space; interior space characteristics; building characteristics; and accessibility of facilities to the mobility impaired. The section on the utilization of instructional space provides ratios, percentages, and indices which relate the amount of instructional activity at an institution to various categories of campus space. The section dealing with interior space characteristics statistically describes campus space by its uses and the programs to which it is assigned. Also provided are data relating the sizes and capacities of classrooms and class laboratories. The section on building characteristics focuses on such data elements as building age, ownership, capital investment, condition, and replacement cost. The final section describes the amount and type of campus space which is accessible to persons who are confined to wheelchairs. The document contains an index, a list of participating institutions, and nine references. (JB)

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STATE OF NORTH CAROLINA
HIGHER EDUCATION COMPREHENSIVE PLANNING PROGRAM

FACILITIES INVENTORY AND UTILIZATION STUDY 1990

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HIGHER EDUCATION COMPREHENSIVE PLANNING PROGRAM

FACILITIES INVENTORY AND UTILIZATION STUDY
FALL OF 1990

For
THE STATE OF NORTH CAROLINA

TWENTY-FOURTH EDITION

THE UNIVERSITY OF NORTH CAROLINA
Commission on Higher Education Facilities
Chapel Hill, North Carolina

September 1991

Benson University Center, Wake Forest University

(Cover Photo)

The dream of giving Wake Forest University students, faculty and staff a place to call their own was realized this past year with the dedication of the Clifton L. Benson University Center. Many alumni recall hearing of plans for a student center, while they studied at Wake Forest in the 1960s and 1970s, as a relief to Reynolda Hall, which has served the dual function of administration building/student center since Wake Forest College moved to the present campus in 1956. For decades the need for new classrooms and other facilities took precedence. Several years of planning, hard work and generous giving by alumni and the parents of students culminated in this new home for the university community. Designed in the modified Georgian style typical of other campus buildings, this modern 100,000-square foot structure of Old Virginia brick, limestone, and copper is strategically located at the center of the well-traveled Reynolda Campus to serve as a unifying hub for students, faculty, staff, alumni, and guests.

The building is constructed on five levels around a rotunda that functions as a focal point for all circulation through the building, both horizontally and vertically, and as a crossroads for social and academic interaction. Each level promotes an area of intellectual, social, or physical growth. The overall design thus encourages a sense of community while providing ample space for student leadership, entertainment and enrichment, and health and fitness.

The lower level of the Benson Center, Exercise and Wellness, provides a full range of facilities and activities for physical and psychological well-being. Two large exercise and conditioning rooms contain free weights, stationary cycles, rowing machines, treadmills, and a full cycle of modern exercise equipment. Other large areas are provided for aerobics, karate, yoga, dance, saunas and lockers. Level two (Entertainment and Nutrition), which focuses on recreational, cultural, social, and nutritional growth, is highlighted by the Pepsico Entertainment Center. A modern food court, which provides a wide variety of offerings for the student meal plan, is complemented by a grill, bakery/ice cream shop, and coffee house. This level also features a 285-seat film auditorium which also has a stage and modern sound system for lectures and events. A lobby lounge, TV room, study room, terrace lounge and game rooms complete the second floor. The third (Information and Leadership) and fourth (Conference and Events) levels provide office, lounge, conference and meeting room areas for student organizations, student life personnel and campus gatherings. Highlights include a large multipurpose room for dances, dinners and receptions and the Mark Reese Gallery of contemporary art. The top level (Communications), which offers views of the entire rotunda area, provides office, studio, conference room, and darkroom space for the student radio, yearbook, newspaper, and other communications staff groups.

A generous challenge gift by alumnus Clifton L. Benson, Jr. was the catalyst for making possible this new $13 million home for the extended Wake Forest family. A number of areas in the center, named in honor of Benson's father, bear the names of some of the more than 70 contributors to the project.

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Note: Chancellors and Presidents are listed as of the publication date. The Project Officers are the persons who supplied the data used in this year's study.

Foreword

This study, the twenty-fourth in the annual series of facilities inventory and utilization studies, reflects the status of space in North Carolina institutions of higher education at the end of the drop-add period of the 1990 fall term at each college. It also gives indications of the uses being made of the space and provides, where feasible, norms and historical information for the past five years to enable institutions to make their own assessments of their facilities.

Statistics for private institutions are shown by group, rather than by institution, because of the agreement made with these institutions when the project was initiated. Annually, each institution is forwarded its own data and can then make a self-assessment on the basis of these data, its historical record, group data, and the norms cited for the various tables.

The purposes of this study include providing facilities data to federal and state authorities, making data on North Carolina facilities available to other commissions for comparative purposes, and providing participating institutions with data which may be helpful in the management of their facilities. This report presents selected summary information from the quantities of data assembled in the 1990 comprehensive planning studies.

Public senior institutions, community and technical colleges, and private institutions throughout the state have cooperated fully in time, energy, and funds to provide data for the studies. The participating institutions are listed in the preceding section. The gathering and review of data for the studies have been accomplished through the joint effort of the agencies providing membership to the Facilities Technical Committee.

Special acknowledgement and appreciation are expressed to the following individuals for their cooperation and contributions: Philip Albano and Arthur Hohnsbehn of the Department of Community Colleges, Myron Dunston of N. C. Central University, Sheri Green of N. C. State University, Thomas Heath of the Carolina Population Center, Susan Hunter of Wake Forest University, and John Kelton of Davidson College. The Project Officers of the participating institutions deserve special recognition for the tremendous job they have done in providing the basic data for this study.

The commission staff also expresses appreciation to members of the Facilities Advisory Commission for their advice and counsel through the years.

Charles L. Wheeler
Director

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Introduction

The efficient use of campus facilities is of increasing concern to most colleges and universities. This concern is partially a reflection of the high costs involved in constructing and maintaining buildings, but it also stems from a broader recognition of the importance of facilities planning. The effective allocation and utilization of space is essential if an institution of higher education is to maximize its resources in accomplishing its objectives in the areas of instruction, research, and public service.

The primary purpose of the Facilities Inventory and Utilization Study is to provide higher education administrators with a detailed statistical profile of the facilities of their own campuses and of the other colleges and universities in North Carolina. The study also presents data which can provide the basis for comparative assessments of the extent to which space is used for instructional purposes. In short, this publication is intended as an important analytical tool for use in facilities planning. It is published annually by the State Commission on Higher Education Facilities, which is part of the University of North Carolina-General Administration.

Institutions Included

The study provides data for 113 institutions of higher education in North Carolina. This universe includes all of the sixteen public senior institutions which comprise the University of North Carolina, 39 private non-profit colleges and universities, and the 58 public two-year institutions which represent the Community College System. In addition, data are provided for UNC Hospitals at Chapel Hill, a part of the University of North Carolina. All proprietary institutions are omitted from the study, as well as two Bible colleges (John Wesley College and Roanoke Bible College) and a theological seminary (Southeastern Baptist Theological Seminary). The participating colleges and universities are listed by type of institution on pages v-x, along with the name of the President or Chancellor and the commission's project officer for each school. An alphabetical listing of these institutions, including mailing addresses and other information, can be found on pages 198-200.

At the request of the participating private colleges and universities, individual data for these institutions are not printed in the study. Instead, totals are reported for the three principal categories of private institutions: major research universities, general baccalaureate colleges, and junior colleges. Each private institution is provided with facilities data for its own campus in order to enable it to make comparisons with the relevant group totals in the study. Comparisons may be made among individual private institutions through direct project officer contact.

Because of the unique facilities requirements of medical schools, data for the Division of Health Affairs at East Carolina University and the University of North Carolina at Chapel Hill are listed separately from their parent campuses.

For similar reasons, the Higher Education Facilities Commission separately lists the data for North Carolina State University's School of Veterinary Medicine.

Types of Data Collected

The study is divided into four sections which reflect the four broad categories of facilities data which are reported: the utilization of instructional space, interior space characteristics, building characteristics, and accessibility of facilities to the mobility impaired. The section on the utilization of instructional space provides ratios, percentages, and indices which relate the amount of instructional activity at an institution to various categories of campus space. The section dealing with interior space characteristics statistically describes campus space by its uses and the programs to which it is assigned. It also provides data relating the sizes and capacities of classrooms and class laboratories. The building characteristics section focuses on such data elements as building age, condition, and replacement cost. The final section describes the amount and type of campus space which is accessible to persons who are confined to wheelchairs.

This study is designed to provide only a "snapshot" of institutional facilities at a particular point in time. Facilities data reflect all buildings which were completed as of October 1 of the year of the study. Utilization data reflect only the courses which were under way as of the drop-add period of the fall term. The data do not take into account any instructional activity that occurred during the spring semester or quarter.

It should also be noted that different types of institutions will often have very different space needs. As a result, two institutions with facilities which are equally well-utilized may have significantly different utilization data. Thus, it is generally unwise to attempt to make comparisons between two institutions which are dissimilar in terms of their levels or the instructional programs which they offer. Peer comparisons provide the most reliable means of assessment.

Procedures Used in Collecting Data

The Higher Education Facilities Commission maintains an annually updated, computer-based facilities inventory of each institution included in the study. A facilities inventory is comprised of a Building Characteristic Report and a Room Characteristic Report. The Building Characteristic Report lists and provides detailed information about each building on an institution's campus. The Room Characteristic Report lists every room in each building and provides information about its size and capacity. Each room is also coded to reflect its use and the institutional programs which it supports.

Each fall every institution supplies the commission with a list of changes in its facilities inventory occurring since the previous fall. Most of the colleges and universities provide these data by annotating a copy of their

previous year's inventory. An institution may choose, however, to provide its facilities update data by supplying the commission with a mainframe computer tape or PC diskette of its current facilities inventory.

Space utilization data are based on the annual submission by each institution of a list of its fall term courses. For each course, the institution provides information indicating when and where the class meets and the number of students enrolled. Many institutions also provide these data on computer tape or diskette. The others supply their utilization data on computer printouts or on specially designed utilization forms, and the commission keys this information onto master files at the Administrative Data Processing Center (ADP) in Chapel Hill. Each institution's course data are run against its updated facilities inventory to generate the Instructional Space Utilization Report. This report indicates how effectively an institution uses its facilities and measures its need for classroom and laboratory space in relation to comparable institutions.

Schools which need help in updating their facilities inventories or compiling utilization data are provided technical assistance by the Commission staff. Questions are answered by telephone, or if a problem is particularly complex, a campus visit is arranged. The commission staff also assists institutions by taking the measurements of new buildings for which the institutions have provided blueprints. For the past several years, because of improved in-house data processing capabilities, the commission has provided data search services, software, special analyses and facilities survey assistance to participating institutions making such special requests.

Both the facilities inventory updates and the utilization data from each school are reviewed carefully by the commission staff. Extensive computer edits are also used as a means of ensuring accuracy and consistency. When problems are discovered, the institutions are contacted for additional information or corrections.

Every year each institution receives two copies of its updated Building and Room Characteristic Reports and its Instructional Space Utilization Report. Also provided are two copies of the Building Data Summary Report, which analyzes in detail the institution's building data, and a number of statistical tables which describe the institution's assignable area and its accessible space in terms of their use and the programs to which they are assigned. The reports and tables are also supplied to the Finance Division of the University of North Carolina-General Administration (UNC constituent institutions only), the Department of Community Colleges (two-year public institutions only), and to the Office of State Property of the Department of Administration (UNC constituent institutions only).

The Facilities Inventory and Utilization Study is based on the data contained in these tables and reports. It is distributed to the President or Chancellor of each institution, the commission's institutional project officers, the Higher Education Facilities Commissions in the other states, the libraries of the participating institutions, and the members of the commission's advisory committees. Copies are available without charge to persons who request them.

Limitations and Special Situations

This study contains reliable and useful information concerning the facilities of colleges and universities in North Carolina and their utilization for instructional purposes. It is important, however, to note two limitations in the data provided.

Although campus facilities would generally be viewed as including such things as parking lots, tennis courts, and radio control towers, this study is limited to data relating to buildings. For purposes of the study, a building is defined as any roofed structure. This definition includes trailers and other mobile units.

Because of technical problems in collecting course information from medical schools and related programs, utilization data are not supplied by the Division of Health Affairs at East Carolina University and the University of North Carolina at Chapel Hill, or by the Bowman Gray School of Medicine, the Duke University Medical Center, UNC Hospitals at Chapel Hill, or the North Carolina State University School of Veterinary Medicine. They are, therefore, excluded from most of the utilization tables. Separate enrollment figures are provided for these divisions, however, and Table 2 includes utilization data for the Veterinary School and the two Divisions of Health Affairs at public institutions (although these data are excluded from all totals).

Special situations exist at several institutions which create problems in reporting utilization data. The following changes in the utilization reporting procedures have been made to reflect these situations accurately and fairly in the data.

N. C. School of the Arts and St. Mary's College instruct secondary school students as well as students at the college level. To reflect this fact, high school courses conducted at these campuses were also considered in calculating student clock hours. The high school students were not included in the full-time equivalent enrollment figures for these institutions, however. In Table 2, this has the effect of significantly underestimating the total utilization of academic space for the School of the Arts and the Junior College subtotal as reported. It should also be noted that the programs conducted at the School of the Arts inherently require significantly more space per student than at other constituent institutions of the University of North Carolina. Comparisons of this institution's utilization with that of any other college or university would, therefore, be misleading.

The Department of Community Colleges now reports full-time equivalent enrollment (FTE) based on a contact-hour formula instead of the previous credit-hour calculation. This alteration was made three years ago by DCC and commission staff to conform to the official Department of Community Colleges FTE figure for data reporting and funding assignment. Because of problems with the previous calculation formula, this change has provided a better correlation to on-campus space utilization and ensured greater data integrity. Tables 2 and 12 of this study, with accompanying graphs on pages 19 and 71, are impacted by this conversion, which is further explained in their preceding texts.

Western Carolina University conducts a number of courses on the campus of the University of North Carolina at Asheville. Beginning in 1981, the student clock hours of UNC at Asheville reflected these WCU courses, as well as courses for WCU students sponsored by UNC at Asheville and conducted on its campus. Full-time equivalent enrollments of the WCU-sponsored courses at UNC at Asheville are, however, credited to WCU rather than to UNC at Asheville. Several Community Colleges have similar inter-campus course arrangements and FTE/student clock hour figures are derived in the same manner. In addition, Gardner-Webb College offers classes on the campus of Mitchell Community College. These classes have been included in the utilization data for Mitchell but are not reflected in the full-time equivalent enrollment for that institution.

As further clarification of institution groupings, graph references to "UNC Campuses" refer to the sixteen public Baccalaureate-granting institutions of the University of North Carolina. Table subtitles and graph legends for "Community Colleges" refer to the 58 Community and Technical Colleges of the North Carolina Community College system.

The data elements collected, formats maintained, and statistics generated by the North Carolina Commission on Higher Education Facilities adhere very strongly to nationally developed standards and procedures for facilities inventory and utilization surveying. In the interests of state and national comparability and standardization, changes such as addition/omission of data items and format/master file rearrangement are not made by this central office to suit the special interests or needs of a particular campus. Many North Carolina institutions accommodate these local information needs by including additional data on campus-maintained files, in formats suitable to campus researchers and planners, as a supplement to Facilities Commission (national standard) data. This office does, however, provide the special request, data processing services mentioned above to all North Carolina institutions for all data maintained on commission files. In addition, these services are provided to institutions which maintain supplemental or special campus information items when these data are provided with the request.

Olin Physical Laboratory, Wake Forest University

Wake Forest University's nationally renowned Department of Physics now has a building of its own with the completion of the $4.2 million Olin Physical Laboratory. The institution's physics program, which has experienced rapid growth since 1975, moved into the new 31,000-square foot facility this past year from old Salem Hall, where space was shared for 30 years with the institution's equally expanding Department of Chemistry.

The centerpiece of this modern facility is one of the nation's foremost laser time-resolving spectroscopy laboratories, which occupies more than 2,000 square feet of the second level. The lab contains a powerful fast-pulse laser which is capable of producing pulses of laser light which are short and fast enough to reveal specific reactions of atoms and the accompanying atomic processes in achieving those reactions. A specially designed laser distribution system enables transmission of various types of laser radiation to several other research laboratories on the building's second floor.

Other highlights of the new facility include a room housing a Convex C-120 mini-supercomputer, a modern library featuring mechanical shelves, three lecture rooms of various sizes with the largest seating more than 100, a computer classroom, and a large departmental study room. Together with a complement of well-equipped research and class laboratories, these facilities will enable Wake Forest to maintain a leading instructional and research role in the sub-discipline of solid state, condensed matter physics.

The building project was funded by the F. W. Olin Foundation of New York. The award was North Carolina's first building grant from Olin and the second largest single foundation gift for the institution.

Learning Resource Center, Edgecombe Community College

Edgecombe Community College significantly increased its instructional space with the July 1990 completion of the Learning Resource Center on the Tarboro campus. Built at a cost of $3.1 million, the new 70,500 square foot facility features a special interior color, carpet, and ventilation design which successfully blends comfort and beauty with the instructional function.

The building's instructional space includes ten classrooms, two laboratories for the institution's nursing program, thirteen faculty offices, and a large learning laboratory study room. The new Learning Resource Center also now houses the college's library, as well as media production and conference room facilities.

Utilization of Instructional Space

Capacity/Enrollment Ratio 9
Sq. Ft. of Academic Facilities Per FTE Student 17
Room Hours of Instruction in Classrooms 24
Room Hours of Instruction in Class Laboratories 30
Use of Student Stations in Classrooms 36
Use of Student Stations in Class Laboratories 42
Percent Student Station Utilization 48
Student Clock Hours of Instruction 55
Space Factors 58
Range of Space Utilization Indices 62
Space Criteria 64
FTE Enrollments 69

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TABLE 1:

CAPACITY / ENROLLMENT RATIO

The capacity/enrollment ratio, often referred to as the C/E ratio, is the amount of instructional and library space on campus divided by the total fall term student clock hours of that institution. The C/E ratio relates the amount of space directly used in an institution's instructional programs to the instructional activity of the campus. It is one of the most commonly used indices of instructional utilization of institutional facilities.

In analyzing and comparing the capacity/enrollment ratios, it should be kept in mind that a relatively low ratio generally indicates a high level of space utilization. It should also be noted, however, that such factors as the level of an institution and the kind of instructional programs that it offers will affect the amount of space required and, therefore, the C/E ratio. The capacity/enrollment ratio for all institutions of higher education in North Carolina has been between four and five for many years, but the graph on page 11 confirms that this ratio varies widely by type of institution.

Instructional and Library Space

Instructional and library space is defined in terms of program codes (pages 87-88, 93-95, 102-103, 108-109, 112-113) and room use codes (page 118). It is the sum of the areas of all rooms which carry both a program designation of 11-18 (Instruction), 41 (Library Services), or 01 (Unassigned, Capable of Use), and one of the room use codes listed below, with the exception that office space is omitted from program 01:

110 Classroom
115 Classroom Service

210 Class Laboratory
215 Class Laboratory Service

220 Special Class Laboratory
225 Special Class Lab Svc.

230 Individual Study Laboratory
235 Individual Study Lab Svc.

310 Office
315 Office Service

410 Study Room
420 Stack
430 Open Stack Reading Room
440 Processing Room
455 Study Service

510 Armory
515 Armory Service

520 Athletic-Physical Ed.
525 Athletic-Physical Ed. Svc.

Because of federal reporting requirements, all space associated with academic programs in theology (HEGIS taxonomy code 2300) is also excluded.

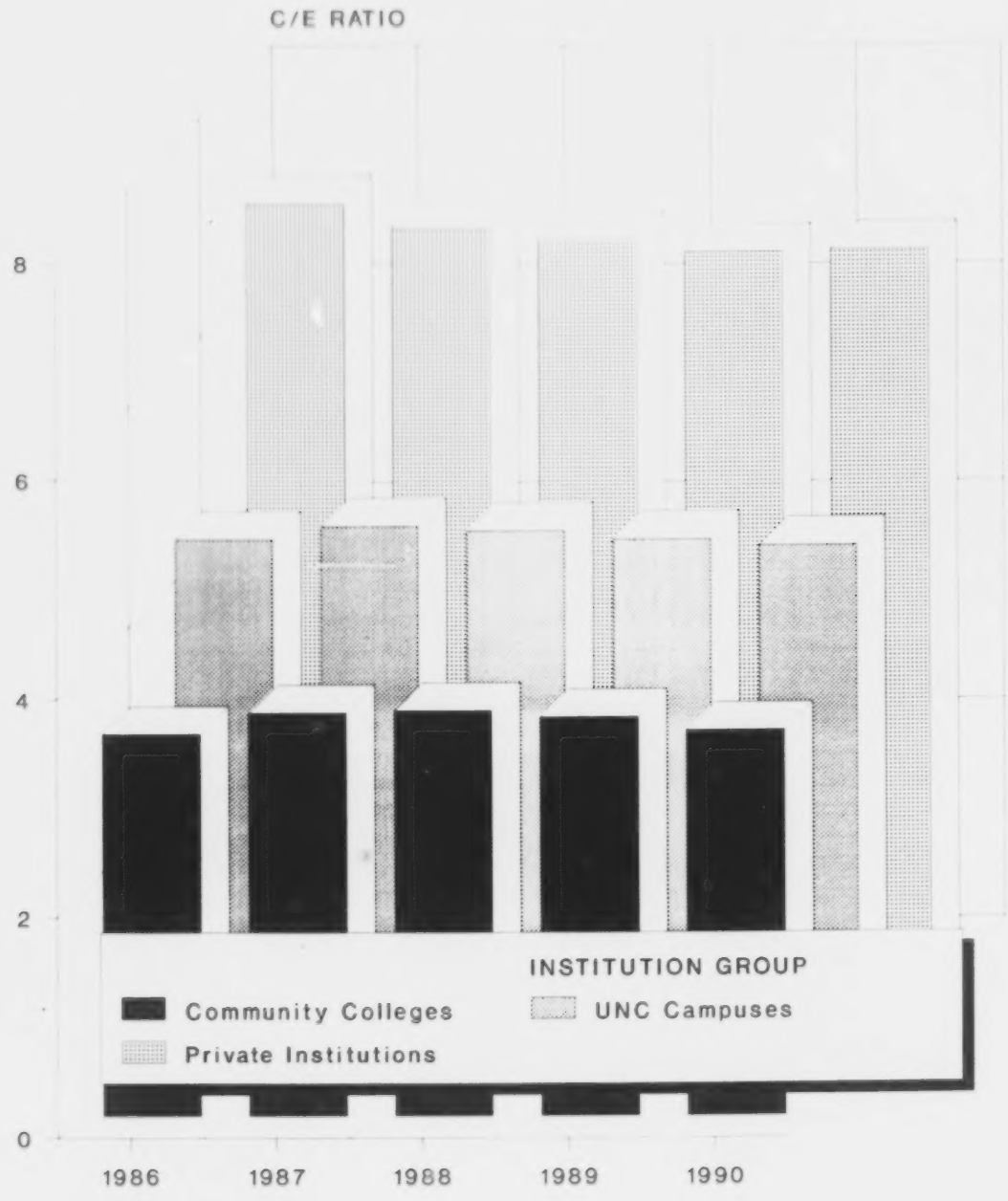
Student Clock Hours

Student clock hours is a measurement of the total weekly hours of scheduled instruction for all of an institution's students. It is computed for each course by multiplying the number of times the course meets each week by the number of hours of each course meeting (rounded to the half hour), and multiplying that product by the number of students. Thus, if a course with 20 students meets Tuesdays and Thursdays from 9:00 a.m. until 10:30 a.m., the number of student clock hours resulting from that class would be 60 (2 meetings/week x 1.5 hours/meeting x 20 students).

The student clock hours reported in this study are based upon on-campus courses, both credit and non-credit, which were in progress during the week following the drop-add period of the fall term and which lasted for at least eight weeks. More detailed student clock hour data are provided in Table 8.

$$\text{CAPACITY/ENROLLMENT RATIO} = \frac{\text{INSTRUCTIONAL \& LIBRARY SPACE}}{\text{TOTAL WEEKLY STUDENT CLOCK HOURS}}$$

CAPACITY/ENROLLMENT RATIO



Capacity / Enrollment Ratio

Table 1

INSTITUTION	ASF of Instructional & Lib. Facilities	Total Student Clock Hours	Capacity / Enrollment Ratio				
			1990	1989	1988	1987	1986
Major Research Universities:							
NC State	1,276,165	346,282.5	3.69	3.87	3.79	4.14	3.50
NC State Vet.	-	-	-	-	-	-	-
UNC-Chapel Hill	1,473,591	276,458.5	5.33	5.59	5.52	5.60	5.28
UNC-Health Aff.	-	-	-	-	-	-	-
SUBTOTAL	2,749,756	622,741.0	4.42	4.63	4.56	4.81	4.27
Other Doctoral Universities:							
UNC-Greensboro	564,616	146,515.5	3.85	4.00	4.03	4.33	4.84
Comprehensive Universities:							
Appalachian	686,356	160,329.0	4.28	4.05	4.30	3.88	4.13
East Carolina	743,765	191,108.0	3.89	3.78	3.87	3.37	3.53
ECU-Health Aff.	-	-	-	-	-	-	-
Fayetteville	215,909	42,932.0	5.03	5.90	6.65	6.68	4.63
NC A & T	510,401	86,720.5	5.89	6.43	6.74	6.09	6.38
NC Central	416,012	71,677.5	5.80	6.06	7.35	7.04	7.77
UNC-Charlotte	586,878	185,671.5	3.16	3.17	3.24	3.54	3.74
UNC-Wilmington	336,245	97,248.5	3.46	3.45	3.59	3.47	2.93
West'n Carolina	511,150	75,130.0	6.80	6.57	6.15	6.63	6.66
SUBTOTAL	4,006,716	910,817.0	4.40	4.43	4.62	4.48	4.55
Gen. Baccalaureate Universities:							
Elizabeth City	214,132	29,514.0	7.26	6.55	6.38	6.54	5.83
Pembroke	207,261	36,426.5	5.69	4.93	5.45	5.97	6.26
UNC-Asheville	210,943	41,305.0	5.11	4.51	4.71	4.27	4.29
Winston-Salem	223,267	35,236.0	6.34	6.56	6.61	6.56	6.05
SUBTOTAL	855,603	142,481.5	6.01	5.53	5.72	5.77	5.58

Capacity / Enrollment Ratio

Table 1

INSTITUTION	ASF of Instructional & Lib. Facilities	Total Student Clock Hours	Capacity / Enrollment Ratio				
			1990	1989	1988	1987	1986
Specialized Institution:							
NC Sch. of Arts*	177,744	16,215.0	10.96	9.37	7.33	8.32	7.94
Community Colleges:							
SUBTOTAL	6,138,565	1,756,044.5	3.50	3.63	3.69	3.67	3.47
PRIVATE INSTITUTIONS							
Major Research Universities:							
SUBTOTAL	1,200,967	188,904.0	6.36	6.52	6.56	6.58	6.81
Gen. Baccalaureate Colleges:							
SUBTOTAL	3,490,339	529,088.5	6.60	6.57	6.68	6.86	7.04
Junior Colleges:							
SUBTOTAL*	426,563	58,874.5	7.25	6.68	7.04	6.92	7.34
GRAND TOTAL	19,610,869	4,371,681.5	4.49	4.58	4.67	4.71	4.60

* High school courses at N.C. School of the Arts and St. Mary's College (Junior Colleges) are included in the data for these institutions.

Capacity / Enrollment Ratio

Table 1

INSTITUTION	ASF of Instructional & Lib. Facilities	Total Student Clock Hours	Capacity / Enrollment Ratio				
			1990	1989	1988	1987	1986
Community Colleges:							
Alamance CC	103,290	40,466.5	2.55	2.77	2.31	2.69	2.46
Anson CC	36,111	7,193.5	5.02	5.53	6.06	5.97	6.15
Ashev'le-Bun. TCC	217,028	54,169.5	4.01	3.75	4.67	4.14	3.46
Beaufort Co. CC	65,352	18,117.5	3.61	4.36	5.10	5.33	5.08
Bladen CC	51,959	10,281.0	5.05	5.30	6.00	6.69	5.09
Blue Ridge CC	83,857	21,784.5	3.85	4.67	4.78	4.39	3.94
Brunswick CC	61,328	12,942.0	4.74	5.39	7.99	5.69	4.92
Caldwell CC & TI	102,710	24,084.0	4.26	4.68	3.76	3.79	3.37
Cape Fear CC	114,839	41,770.5	2.75	2.72	2.81	2.98	2.84
Carteret CC	69,052	21,200.0	3.26	3.02	3.16	3.00	3.35
Catawba Vy. CC	150,304	46,399.0	3.24	3.74	4.07	3.76	3.80
C. Carolina CC	103,638	26,575.0	3.90	3.72	3.70	3.39	3.01
C. Piedmont CC	391,669	174,670.0	2.24	2.27	2.35	2.09	1.84
Cleveland CC	98,887	19,944.5	4.96	5.39	5.10	6.45	5.90
Coastal Car. CC	124,855	48,173.5	2.59	2.56	2.65	2.97	2.73
Col. Albemarle	77,380	25,418.0	3.04	2.99	3.71	3.73	3.48
Craven CC	88,212	28,980.5	3.04	2.52	2.36	2.39	2.69
Davidson Co. CC	106,750	26,032.0	4.10	3.95	4.12	5.04	3.66
Durham TCC	115,789	50,401.0	2.30	2.55	2.66	2.59	2.68
Edgecombe CC	73,267	15,045.0	4.87	5.60	5.80	5.90	5.69
Fayettev'le TCC	170,985	59,691.0	2.86	2.64	2.50	2.59	2.34
Forsyth TCC	230,622	60,859.0	3.79	3.69	3.73	4.42	4.13
Gaston Col.	154,349	48,278.0	3.20	3.72	3.72	4.08	4.44
Guilford TCC	303,083	99,837.5	3.04	3.23	3.49	3.33	3.22
Halifax CC	63,391	17,312.5	3.66	3.50	3.80	5.20	4.30
Haywood CC	136,185	24,416.5	5.58	4.53	4.35	4.70	4.29
Isothermal CC	131,391	27,963.5	4.70	4.97	4.64	4.49	4.60
J. Sprunt CC	61,936	12,122.5	5.11	5.52	5.85	6.31	6.21
Johnston CC	88,507	25,776.5	3.43	3.72	3.04	3.14	3.49
Lenoir CC	125,191	30,262.0	4.14	4.97	4.21	4.13	4.90

Capacity / Enrollment Ratio

Table 1

INSTITUTION	ASF of Instructional & Lib. Facilities	Total Student Clock Hours	Capacity / Enrollment Ratio				
			1990	1989	1988	1987	1986
Community Colleges:							
Martin CC	77,916	13,973.0	5.58	6.02	7.35	6.75	8.04
Mayland CC	38,562	10,268.5	3.76	3.49	4.63	3.67	3.64
McDowell TCC	56,746	10,960.0	5.18	5.18	6.13	6.20	4.08
Mitchell CC	113,658	25,361.0	4.48	4.57	4.82	5.56	4.31
Montgomery CC	37,314	8,074.0	4.62	5.14	4.79	4.92	4.45
Nash CC	105,265	22,655.5	4.65	5.02	4.68	3.91	3.90
Pamlico CC	20,814	3,030.0	6.87	6.34	6.42	8.47	7.61
Piedmont CC	52,917	9,729.0	5.44	5.61	5.58	5.82	5.46
Pitt CC	123,976	47,362.5	2.62	2.50	2.65	2.62	2.61
Randolph CC	102,280	24,153.0	4.23	4.24	4.50	4.60	4.52
Richmond CC	81,610	15,594.5	5.23	5.48	5.64	4.58	4.10
Roanoke-Cho. CC	55,888	11,294.5	4.95	5.36	5.67	5.61	5.32
Robeson CC	88,667	22,064.5	4.02	4.39	6.16	4.92	3.86
Rockingham CC	143,522	26,286.5	5.46	5.59	5.97	5.33	5.04
Rowan-Cab. CC	106,054	31,523.0	3.36	3.28	3.73	3.71	3.44
Sampson CC	60,288	16,720.0	3.61	3.94	4.49	4.42	2.73
Sandhills CC	128,693	34,157.5	3.77	3.86	3.23	3.65	3.33
Southeastern CC	96,064	23,920.0	4.02	4.24	3.98	4.40	4.36
Southwestern CC	78,560	19,552.5	4.02	4.96	6.04	4.57	4.22
Stanly CC	52,608	14,929.5	3.52	3.64	3.50	4.28	3.81
Surry CC	100,625	35,141.5	2.86	3.04	3.35	3.35	3.19
Tri-County CC	63,286	12,195.0	5.19	6.31	5.95	5.56	4.98
Vance-Granv. CC	79,970	26,571.5	3.01	3.16	4.16	3.34	3.43
Wake TCC	170,118	57,429.5	2.96	3.19	2.98	2.54	2.65
Wayne CC	146,719	37,317.0	3.93	4.47	2.89	3.42	3.37
W. Piedmont CC	83,972	31,881.5	2.63	2.69	2.81	3.31	3.53
Wilkes CC	84,752	27,105.0	3.13	3.29	2.99	3.30	3.32
Wilson Co. TC	85,804	16,628.0	5.16	4.91	4.09	4.93	4.76
TOTAL	6,138,565	1,756,044.5	3.50	3.63	3.69	3.67	3.47

TABLE 2:

SQUARE FEET OF ACADEMIC FACILITIES PER FTE STUDENT

The ratio of an institution's square footage of academic facilities to its full-time equivalent enrollment represents an important index of the instructional utilization of campus facilities. It was first used by the U. S. Office of Education as a planning standard in the 1960s. In 1969, the Office of Education published an extensive study entitled Federal Support for Higher Education Construction: Current Programs and Future Needs which provided normative figures by level and control of institution. The figures, which are still widely used in determining facilities needs, can be summarized as follows:

Institutional Level	Public	Private	Total
University	132	150	136
Four-year	93	103	98
Two-year	70	75	70
All Institutions	103	115	107

There is currently much national interest today in updating these norms through a new national survey of higher education facilities.

Academic Facilities

"Academic facilities" is a broader concept than "instructional and library space" (page 9). In general terms, it includes all space used for instruction, research, and the administration or support of instruction or research.

Academic facilities can be more precisely defined in terms of program codes (pages 87-88, 93-95, 102-103, 108-109, 112-113) and room use codes (page 118). The term refers to an institution's total assignable area (page 81) less the square footage of all rooms bearing program codes 42 (Museums and Galleries), 52 (Social and Cultural Development), 55 (Student Auxiliary Services), 56 (Intercollegiate Athletics), 65 (Faculty and Staff Auxiliary Services), 66 (Public Relations/Development), 91-92 (Independent Operations), and 02 (Incapable of Use). In addition, space with program code 63 (General Administration and Logistical Service) is deleted if it also has room use code 750 (Central Food Stores), or 760 (Central Laundry). Space with program 01 (Unassigned, Capable of Use) and any of the following room use codes is also excluded from academic facilities: 523 (Athletic Facilities Spectator Seating), 630 (Food Facilities), 635 (Food Facilities Service), 660 (Merchandising Facilities), 665 (Merchandising Facilities Service), 750 (Central Food Stores), 760 (Central Laundry), all of the 800s (Health Care Facilities), and all of the 900s (Residential Facilities). Because of federal reporting requirements, all space associated with academic programs in theology (HEGIS taxonomy code 2300) is also excluded.

FTE Enrollment

Full-time equivalent (FTE) enrollment is computed by assigning a percentage to each part-time student to reflect his/her course load and then adding the result to the total full-time enrollment. FTE enrollment differs from the other frequently used standard for estimating student populations, headcount enrollment, in that the latter treats full-time and part-time students identically. A more detailed description of the procedure used in calculating FTE enrollment can be found on page 69.

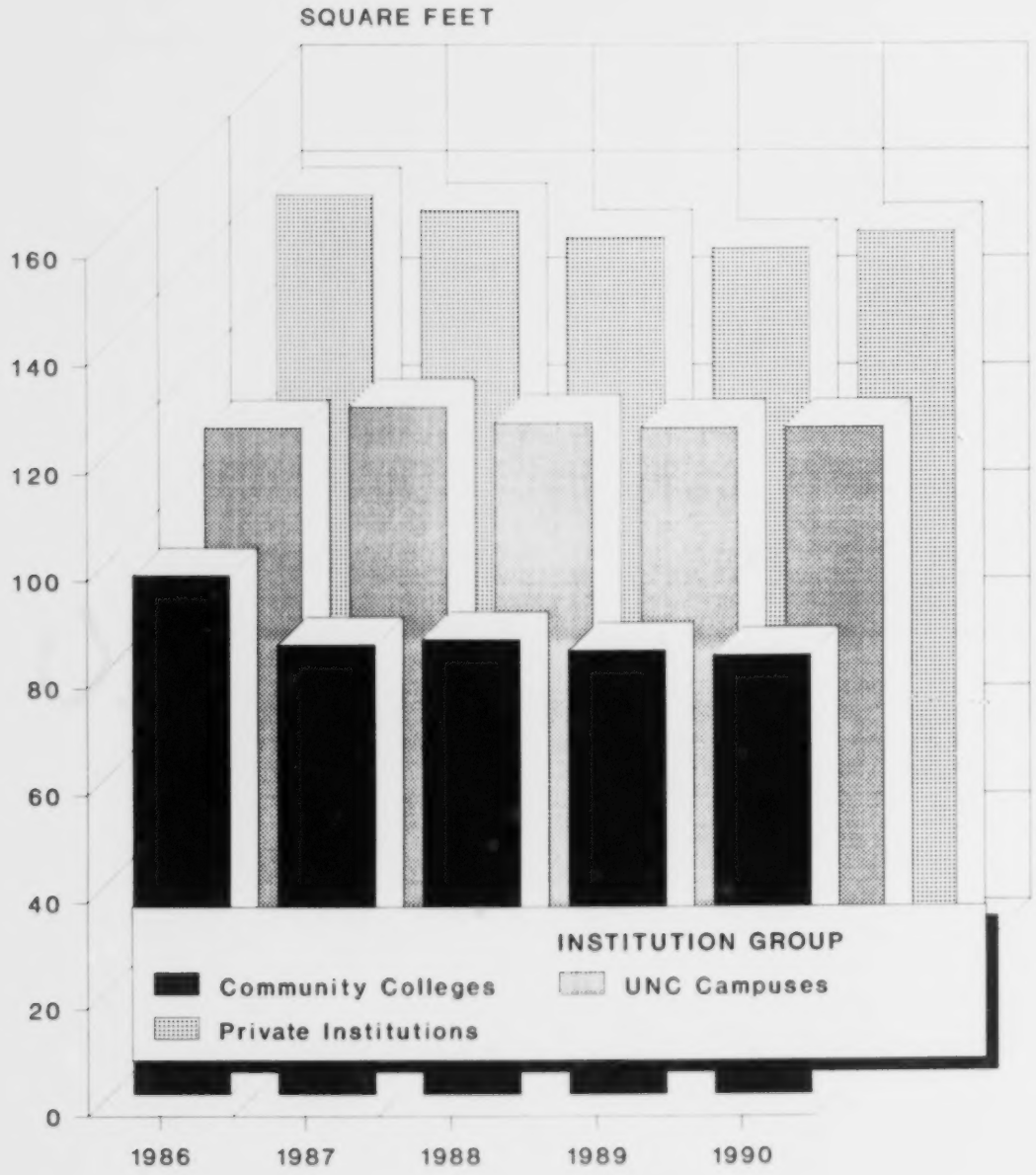
In this table, the FTE enrollments which are reported for the institutions of the Community College System exclude enrollment generated by off-campus instruction. Total FTE enrollments for these institutions--which take into account all credit instruction regardless of where it is conducted--are not listed in Table 2 because they are irrelevant to space utilization analysis. They are reported, however, in the parenthesized figures of Table 12.

The Department of Community Colleges now reports FTE figures based on a contact-hour formula instead of the previous credit-hour basis of calculation (see pages 69-70). To maintain an accurate table and graph presentation of trend over the past five years, figures for 1986-1989, in addition to the current 1990 figures, have been calculated on the basis of this conversion. This has had an overall impact of slightly increasing FTE and thus decreasing square feet of academic facilities per FTE student. For the community colleges, therefore, previous year figures for Table 2 and Table 12 in this study published before 1987 will not coincide with those in subsequent publications.

SQ. FT. OF ACADEMIC FACILITIES PER FTE STUDENT =

$$\frac{\text{SQUARE FEET OF ACADEMIC FACILITIES}}{\text{FTE ENROLLMENT}}$$

SQUARE FEET OF ACADEMIC FACILITIES PER FTE STUDENT



Square Feet of Academic Facilities Per FTE Student

Table 2

INSTITUTION	ASF of Academic Facilities	FTE Enrollment	Sq. Ft. of Academic Facilities Per FTE Student				
			1990	1989	1988	1987	1986
Major Research Universities:							
NC State	2,723,550	21,392	127	130	129	136	126
NC State Vet.	215,268	275	783	803	774	780	763
UNC-Chapel Hill	2,465,911	18,161	136	138	135	140	129
UNC-Health Aff.	1,293,134	3,213	402	380	381	368	369
SUBTOTAL*	5,189,461	39,553	131	134	132	138	127
Other Doctoral Universities:							
UNC-Greensboro	935,852	10,455	90	93	91	96	95
Comprehensive Universities:							
Appalachian	1,026,941	10,843	95	89	90	89	93
East Carolina	1,082,647	13,874	78	80	80	74	78
ECU-Health Aff.	383,999	1,152	333	377	406	437	360
Fayetteville	319,837	2,856	112	123	139	141	104
NC A & T	886,162	5,841	152	151	161	160	152
NC Central	582,636	4,799	121	125	132	134	135
UNC-Charlotte	810,137	12,335	66	67	68	73	75
UNC-Wilmington	477,876	6,446	74	72	75	73	66
West'n Carolina	777,529	5,564	140	140	128	140	140
SUBTOTAL*	5,963,765	62,558	95	96	97	98	98
Gen. Baccalaureate Universities:							
Elizabeth City	310,158	1,674	185	169	172	169	157
Pembroke	271,952	2,690	101	91	105	113	121
UNC-Asheville	277,658	2,599	107	95	100	89	89
Winston-Salem	333,274	2,198	152	144	146	144	147
SUBTOTAL	1,193,042	9,161	130	119	126	125	126

Square Feet of Academic Facilities Per FTE Student

Table 2

INSTITUTION	ASF of Academic Facilities	FTE Enrollment	Sq. Ft. of Academic Facilities Per FTE Student				
			1990	1989	1988	1987	1986
Specialized Institution:							
NC Sch. of Arts**	246,897	462	534	502	496	451	456
Community Colleges:							
SUBTOTAL	7,727,273	94,624	82	83	85	84	78
		PRIVATE INSTITUTIONS					
Major Research Universities:							
SUBTOTAL*	2,214,266	14,990	148	150	147	151	150
Gen. Baccalaureate Colleges:							
SUBTOTAL	4,628,292	36,789	126	125	125	130	134
Junior Colleges:							
SUBTOTAL**	542,551	3,195	170	163	164	166	175
GRAND TOTAL	28,641,399	271,787	105	106	107	110	104

* Division of Health Affairs and NCSU Veterinary School are excluded from all totals.

** The exclusion of high school student enrollment from this table results in a significant understatement of the total utilization of academic facilities at N. C. School of the Arts and St. Mary's College (Junior Colleges).

Square Feet of Academic Facilities Per FTE Student

Table 2

INSTITUTION	ASF of Academic Facilities	FTE Enrollment	Sq. Ft. of Academic Facilities Per FTE Student				
			1990	1989	1988	1987	1986
Community Colleges:							
Alamance CC	129,279	2,047	63	66	57	64	58
Anson CC	50,307	297	169	158	162	146	153
Ashev'le-Bun. TCC	262,298	2,607	101	80	108	93	85
Beaufort Co. CC	87,802	990	89	94	103	108	102
Bladen CC	64,464	509	127	131	154	135	121
Blue Ridge CC	106,593	1,204	89	100	117	95	86
Brunswick CC	93,327	609	153	147	148	123	103
Caldwell CC & TI	130,329	1,339	97	96	80	80	76
Cape Fear CC	139,299	2,379	59	59	60	63	58
Carteret CC	95,808	1,088	88	92	89	86	96
Catawba Vy. CC	187,339	2,179	86	89	107	95	90
C. Carolina CC	121,693	1,719	71	74	71	71	59
C. Piedmont CC	480,474	9,214	52	52	53	54	48
Cleveland CC	121,197	856	142	148	135	151	141
Coastal Car. CC	145,398	2,642	55	54	56	60	57
Col. Albemarle	109,313	1,329	82	81	90	92	89
Craven CC	98,130	1,340	73	74	83	88	84
Davidson Co. CC	133,225	1,797	74	76	79	78	76
Durham TCC	147,406	2,846	52	58	58	63	60
Edgecombe CC	91,403	976	94	101	107	120	100
Fayettev'le TCC	252,407	4,214	60	54	56	50	46
Forsyth TCC	273,726	3,030	90	87	89	103	96
Gaston Col.	176,187	2,899	61	68	66	76	69
Guilford TCC	371,663	5,375	69	74	81	74	81
Halifax CC	83,355	803	104	100	100	115	103
Haywood CC	183,564	1,217	151	139	147	145	138
Isothermal CC	158,547	1,358	117	119	116	101	88
J. Sprunt CC	77,166	632	122	129	125	124	113
Johnston CC	114,845	1,680	68	73	63	70	78
Lenoir CC	147,712	1,632	91	89	82	84	87

Square Feet of Academic Facilities Per FTE Student

Table 2

INSTITUTION	ASF of Academic Facilities	FTE Enrollment	Sq. Ft. of Academic Facilities Per FTE Student				
			1990	1989	1988	1987	1986
Community Colleges:							
Martin CC	97,462	596	164	180	184	161	177
Mayland CC	53,894	569	95	95	118	74	73
McDowell TCC	68,991	560	123	129	127	129	81
Mitchell CC	140,178	1,124	125	133	140	143	110
Montgomery CC	46,395	408	114	120	125	114	113
Nash CC	121,888	1,017	120	132	139	88	82
Pamlico CC	26,713	96	278	221	186	254	215
Piedmont CC	88,565	509	174	209	209	191	192
Pitt CC	147,846	2,612	57	56	57	57	53
Randolph CC	127,874	1,296	99	96	107	106	102
Richmond CC	105,059	871	121	124	120	99	89
Roanoke-Cho. CC	76,201	659	116	122	132	138	129
Robeson CC	112,003	1,178	95	100	128	110	92
Rockingham CC	168,738	1,473	115	117	132	120	106
Rowan-Cab. CC	133,386	1,523	88	85	90	90	88
Sampson CC	77,450	812	95	93	92	99	65
Sandhills CC	159,858	2,485	64	65	67	71	69
Southeastern CC	114,749	1,228	93	85	91	98	88
Southwestern CC	109,058	957	114	120	124	95	77
Stanly CC	63,170	820	77	76	79	85	78
Surry CC	118,268	1,909	62	68	72	75	69
Tri-County CC	73,424	609	121	124	115	136	119
Vance-Granv. CC	120,473	1,450	83	92	83	77	78
Wake TCC	224,738	2,997	75	76	72	66	61
Wayne CC	179,555	1,821	99	104	72	78	75
W. Piedmont CC	108,908	1,787	61	69	56	66	66
Wilkes CC	117,581	1,524	77	82	84	90	84
Wilson Co. TC	110,592	927	119	119	116	148	113
TOTAL	7,727,273	94,624	82	83	85	84	78

TABLE 3:

AVERAGE WEEKLY ROOM HOURS OF INSTRUCTION IN CLASSROOMS

The average weekly room hours of instruction in classrooms is calculated by dividing the total room hours of instruction in classrooms by the total number of classrooms. In more general terms, it is the average number of hours that an institution's classrooms are used for instructional purposes each week.

The total room hours of instruction in classrooms is the number of hours each week that each classroom is used for regularly scheduled classes. Thus, a classroom which is used Mondays, Wednesdays, and Fridays from 9:00 a.m. until 1:00 p.m. and on Tuesdays and Thursdays from 8:30 a.m. until noon would generate 19 room hours (4 hours/day x 3 days/week + 3.5 hours/day x 2 days/week). Table 3 indicates the total room hours of instruction in classrooms; the total number of classrooms can be found in Table 16.

For purposes of this study, a classroom is defined as a room used to conduct classes that do not require special-purpose equipment for student use. Thus, a classroom is by definition a general use facility which could be used for teaching the lecture portion of any course. If a room is used for regularly scheduled classes but has special equipment which ties it to a particular subject matter, then the room is a class laboratory and its use would not be taken into account in this table.

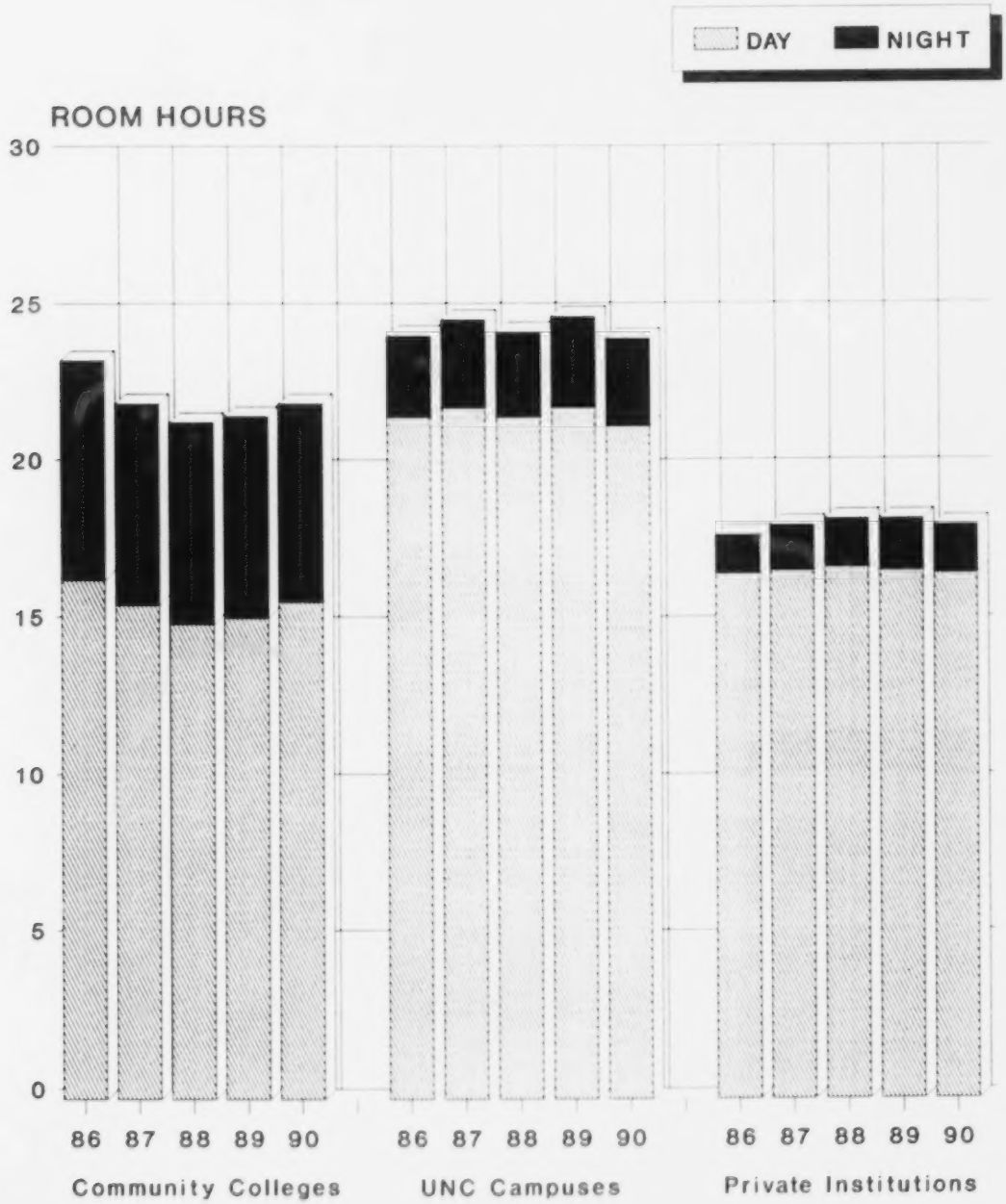
Table 3 separates average weekly room hours of instruction in classrooms into daytime and nighttime utilizations. Daytime utilization is based on all classes with beginning times between and including 5:00 a.m. and 4:59 p.m.; nighttime utilization is based on all other classes. The "All Hours" section of Table 3 indicates the sum of the daytime and nighttime figures for the last five years.

The average weekly room hours of classroom instruction can serve as an indicator of the adequacy of the number of classrooms at an institution. A frequently cited norm is 30 hours of instruction in classrooms per week, but the institutions in North Carolina and in many other states average significantly fewer hours.

AVG. WEEKLY ROOM HOURS OF INSTRUCTION IN CLASSROOMS =

$$\frac{\text{TOTAL ROOM HOURS OF INSTRUCTION IN CLASSROOMS}}{\text{TOTAL NUMBER OF CLASSROOMS}}$$

AVERAGE WEEKLY ROOM HOURS OF INSTRUCTION IN CLASSROOMS



Average Weekly Room Hours of Instruction in Classrooms

Table 3

INSTITUTION	Total Room Hours	Daytime Hours	Nighttime Hours	All Hours				
				1990	1989	1988	1987	1986
Major Research Universities:								
NC State	7,812.5	28.9	2.6	31.5	31.9	32.2	31.5	31.7
NC State Vet.	-	-	-	-	-	-	-	-
UNC-Chapel Hill	6,534.0	25.3	1.1	26.4	27.9	27.0	27.6	26.6
UNC-Health Aff.	-	-	-	-	-	-	-	-
SUBTOTAL	14,346.5	27.1	1.8	28.9	30.0	29.6	29.6	29.2
Other Doctoral Universities:								
UNC-Greensboro	3,632.0	22.5	4.0	26.5	25.3	25.5	24.2	20.6
Comprehensive Universities:								
Appalachian	4,977.5	22.8	1.6	24.4	29.1	27.7	30.2	29.0
East Carolina	5,170.5	19.1	3.5	22.6	22.6	22.5	27.2	26.3
ECU-Health Aff.	-	-	-	-	-	-	-	-
Fayetteville	1,399.5	19.7	3.6	23.3	21.3	24.4	24.5	24.3
NC A & T	2,867.5	16.4	2.6	19.0	16.2	14.4	14.6	15.7
NC Central	2,247.0	12.8	3.2	16.0	15.2	14.6	13.7	13.4
UNC-Charlotte	4,153.5	28.9	7.2	36.1	38.4	35.2	32.7	31.7
UNC-Wilmington	2,726.5	30.4	3.2	33.6	32.5	33.7	37.0	34.9
West'n Carolina	2,360.0	19.2	2.2	21.4	23.1	24.8	20.8	21.2
SUBTOTAL	25,902.0	20.5	3.2	23.7	23.8	23.2	23.9	23.6
Gen. Baccalaureate Universities:								
Elizabeth City	923.5	14.6	1.9	16.5	20.3	19.3	20.1	23.5
Pembroke	1,380.0	17.3	2.2	19.5	19.5	16.9	15.0	15.0
UNC-Asheville	1,514.5	16.8	5.5	22.3	30.2	32.8	38.5	36.7
Winston-Salem	1,189.5	13.1	1.9	15.0	14.5	15.1	16.0	15.7
SUBTOTAL	5,007.5	15.4	2.9	18.3	20.1	19.6	20.1	20.2

Average Weekly Room Hours of Instruction in Classrooms

Table 3

INSTITUTION	Total Room Hours	Daytime Hours	Nighttime Hours	All Hours				
				1990	1989	1988	1987	1986
Specialized Institution:								
NC Sch. of Arts	399.0	10.0	0.0	10.0	16.6	13.0	12.6	15.2
Community Colleges:								
SUBTOTAL	53,368.0	15.8	6.3	22.1	21.7	21.5	22.1	23.5
PRIVATE INSTITUTIONS								
Major Research Universities:								
SUBTOTAL	5,825.5	19.0	0.8	19.8	19.9	19.6	20.1	19.7
Gen. Baccalaureate Colleges:								
SUBTOTAL	20,358.0	16.2	1.8	18.0	18.2	18.4	17.9	17.8
Junior Colleges:								
SUBTOTAL	2,070.0	15.7	0.2	15.9	16.0	15.3	15.8	15.9
GRAND TOTAL	130,908.5	17.9	3.9	21.8	21.9	21.7	22.0	22.2

Average Weekly Room Hours of Instruction in Classrooms

Table 3

INSTITUTION	Total Room Hours	Daytime Hours	Nighttime Hours	All Hours				
				1990	1989	1988	1987	1986
Community Colleges:								
Alamance CC	1,137.0	19.9	8.6	28.5	26.4	36.3	30.2	31.4
Anson CC	254.5	15.0	6.3	21.3	18.6	19.0	13.7	15.7
Ashev'le-Bun. TCC	1,946.5	14.1	6.0	20.1	20.5	14.4	17.7	20.0
Beaufort Co. CC	658.0	16.9	7.4	24.3	22.0	20.2	19.2	18.1
Bladen CC	381.5	16.7	5.7	22.4	16.1	12.8	9.7	16.1
Blue Ridge CC	726.5	13.2	8.2	21.4	18.6	19.1	26.8	25.8
Brunswick CC	631.5	17.1	6.3	23.4	18.1	12.8	20.9	20.1
Caldwell CC & TI	724.0	14.9	5.7	20.6	20.5	24.4	22.4	26.8
Cape Fear CC	1,021.5	25.7	8.4	34.1	33.3	29.7	33.2	32.2
Carteret CC	765.5	13.8	7.5	21.3	25.0	24.9	24.8	19.1
Catawba Vy. CC	1,392.0	17.0	7.9	24.9	21.9	18.1	18.8	20.5
C. Carolina CC	856.0	18.7	6.5	25.2	27.1	27.9	27.7	31.6
C. Piedmont CC	4,634.5	19.8	7.1	26.9	26.1	28.3	30.0	36.6
Cleveland CC	605.5	9.0	7.3	16.3	15.7	17.3	15.7	18.0
Coastal Car. CC	1,475.0	25.3	9.8	35.1	35.5	36.0	33.9	37.6
Col. Albemarle	676.5	14.9	5.6	20.5	22.2	20.5	21.3	21.2
Craven CC	908.0	14.9	4.8	19.7	28.7	24.3	27.7	28.0
Davidson Co. CC	799.5	13.5	5.5	19.0	20.0	19.6	18.3	24.4
Durham TCC	1,535.0	20.6	10.1	30.7	29.6	29.2	29.6	27.8
Edgecombe CC	622.0	9.5	4.4	13.9	13.7	14.2	8.0	20.4
Fayettev'le TCC	2,244.0	24.0	8.0	32.0	32.4	30.4	30.2	31.9
Forsyth TCC	1,831.0	13.9	7.0	20.9	21.4	22.9	18.0	19.8
Gaston Col.	1,244.0	15.2	4.6	19.8	19.9	20.3	21.0	20.1
Guilford TCC	2,982.5	16.5	7.0	23.5	23.9	24.2	23.4	21.9
Halifax CC	475.0	13.3	5.0	18.3	18.8	18.0	15.5	19.6
Haywood CC	596.5	15.8	4.8	20.6	23.1	23.9	21.4	22.0
Isothermal CC	812.5	13.8	5.1	18.9	15.5	17.2	20.6	17.9
J. Sprunt CC	414.0	11.3	4.6	15.9	14.8	15.9	21.4	16.8
Johnston CC	729.5	14.7	6.2	20.9	24.0	25.1	29.1	22.2
Lenoir CC	842.0	11.8	3.2	15.0	14.0	18.0	17.8	17.0

Average Weekly Room Hours of Instruction in Classrooms

Table 3

INSTITUTION	Total Room Hours	Daytime Hours	Nighttime Hours	All Hours				
				1990	1989	1988	1987	1986
Community Colleges:								
Martin CC	317.0	12.1	4.6	16.7	14.8	15.3	15.5	13.5
Mayland CC	361.0	15.1	6.1	21.2	26.4	25.9	28.0	28.9
McDowell TCC	206.0	3.0	5.6	8.6	12.4	11.3	10.5	14.6
Mitchell CC	676.0	9.8	4.3	14.1	15.5	12.5	11.2	16.6
Montgomery CC	216.0	8.5	8.2	16.7	17.6	21.9	19.0	24.0
Nash CC	742.5	12.9	6.7	19.6	19.0	19.6	17.8	16.3
Pamlico CC	198.5	14.9	7.1	22.0	20.0	16.2	13.4	12.5
Piedmont CC	364.5	9.3	4.7	14.0	14.8	12.6	14.3	19.3
Pitt CC	1,204.0	25.5	6.2	31.7	35.2	34.5	32.4	26.8
Randolph CC	712.0	11.9	7.3	19.2	17.5	17.9	19.4	17.3
Richmond CC	528.0	9.4	5.7	15.1	13.3	17.6	19.0	19.8
Roanoke-Cho. CC	396.5	12.1	3.8	15.9	16.8	14.4	15.7	18.7
Robeson CC	681.5	12.7	8.6	21.3	18.6	12.2	19.8	23.4
Rockingham CC	846.0	14.2	6.0	20.2	17.9	18.2	24.4	24.2
Rowan-Cab. CC	1,108.5	14.0	7.7	21.7	23.6	21.2	21.8	24.3
Sampson CC	495.5	14.7	6.8	21.5	23.7	18.7	22.3	32.2
Sandhills CC	1,055.0	17.1	2.8	19.9	21.6	23.2	23.1	28.6
Southeastern CC	580.0	12.6	3.5	16.1	14.2	16.2	16.5	17.1
Southwestern CC	725.0	16.1	4.6	20.7	16.7	11.6	15.8	20.8
Stanly CC	516.0	15.1	5.6	20.7	21.9	21.9	16.0	20.2
Surry CC	855.0	21.5	8.0	29.5	27.1	23.3	26.2	26.9
Tri-County CC	432.5	8.2	9.1	17.3	12.9	15.2	20.4	24.3
Vance-Granv. CC	678.5	13.0	8.2	21.2	21.1	19.7	23.2	21.5
Wake TCC	1,943.0	22.5	4.9	27.4	25.0	23.8	32.1	32.7
Wayne CC	1,334.0	16.5	4.3	20.8	17.9	23.2	22.1	20.8
W. Piedmont CC	923.0	21.0	8.7	29.7	26.0	31.1	29.9	30.7
Wilkes CC	945.0	22.1	4.9	27.0	23.5	24.9	24.7	23.4
Wilson Co. TC	406.0	11.6	5.3	16.9	19.0	19.6	17.7	18.2
TOTAL	53,368.0	15.8	6.3	22.1	21.7	21.5	22.1	23.5

TABLE 4:

AVERAGE WEEKLY ROOM HOURS OF INSTRUCTION IN CLASS LABORATORIES

The average weekly room hours of instruction in class laboratories is calculated by dividing the total room hours of instruction in class laboratories by the total number of class laboratories. In more general terms, it is the average number of hours that an institution's class laboratories are used for instructional purposes each week.

The total room hours of instruction in class laboratories is the number of hours each week that each class laboratory is used for regularly scheduled classes. This figure is provided in Table 4; the total number of class laboratories can be found in Table 17. Table 4 also separates the average room hour data into daytime and nighttime uses of class laboratories. For specific definitions of "daytime" and "nighttime," and for a more detailed explanation of the calculation of total room hours, see page 24.

For purposes of this study, a class laboratory is defined as a room used primarily for regularly scheduled classes that require special-purpose equipment for student participation, experimentation, observation, or practice in a field of study. This definition excludes rooms used for regularly scheduled classes which have no special-purpose equipment (i.e., classrooms) and also excludes rooms with special-purpose equipment which are not used for regularly scheduled classes (i.e., other kinds of laboratories).

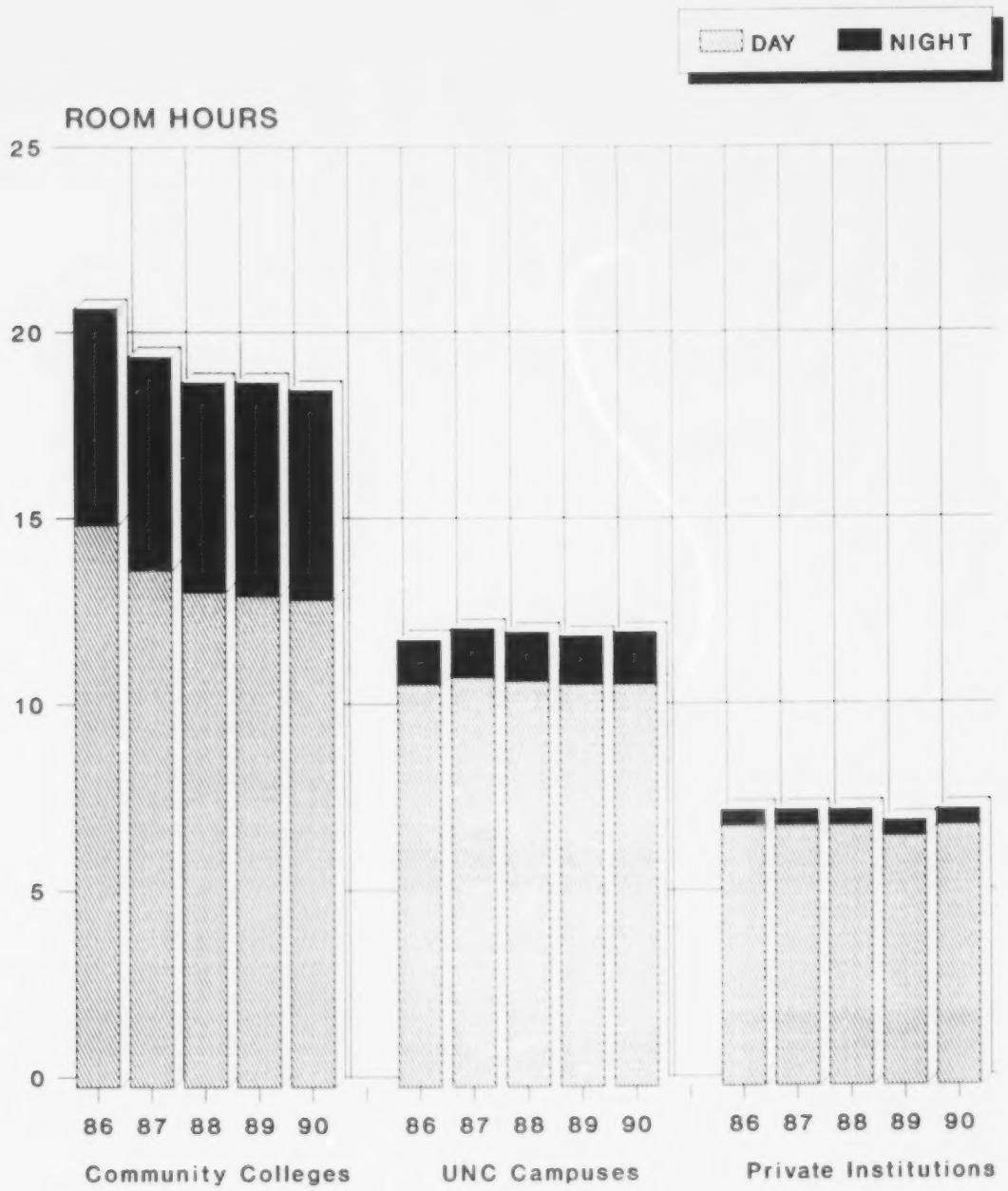
Table 4 can provide some indication of the adequacy of the number of class laboratories at a particular institution. Unfortunately, since the data reflect the utilization of all class laboratories, it is impossible to determine whether an institution's shortage (or surplus) of these rooms is limited to certain types or is "across the board." In such cases, an institution might be able to make a more useful measurement by determining the average weekly use of each type of class laboratory.

Because each class laboratory is designed for use in a particular field of study, most of them are not used as frequently as classrooms. A commonly cited norm for the average use of class laboratories is 20 hours per week. Many of the institutions of the Community College System exceed this figure, at least in part because of the technical nature of most of their instructional programs. The other colleges and universities in North Carolina generally fall well below this norm.

AVG. WEEKLY ROOM HOURS OF INSTRUCTION IN CLASS LABORATORIES =

$$\frac{\text{TOTAL ROOM HOURS OF INSTRUCTION IN CLASS LABORATORIES}}{\text{TOTAL NUMBER OF CLASS LABORATORIES}}$$

AVERAGE WEEKLY ROOM HOURS OF INSTRUCTION IN CLASS LABORATORIES



Average Weekly Room Hours of Instruction in Class Laboratories

Table 4

INSTITUTION	Total Room Hours	Daytime Hours	Nighttime Hours	All Hours				
				1990	1989	1988	1987	1986
Major Research Universities:								
NC State	2,253.5	9.0	1.0	10.0	10.5	12.0	11.5	11.4
NC State Vet.	-	-	-	-	-	-	-	-
UNC-Chapel Hill	1,401.5	12.8	1.9	14.7	15.8	16.9	17.4	17.5
UNC-Health Aff.	-	-	-	-	-	-	-	-
SUBTOTAL	3,655.0	10.1	1.2	11.3	12.1	13.4	13.2	13.2
Other Doctoral Universities:								
UNC-Greensboro	801.0	13.0	1.3	14.3	13.6	12.9	13.9	8.2
Comprehensive Universities:								
Appalachian	1,191.0	12.2	0.9	13.1	14.1	14.3	13.7	15.4
East Carolina	2,240.5	12.7	1.9	14.6	15.7	13.5	14.8	13.8
ECU-Health Aff.	-	-	-	-	-	-	-	-
Fayetteville	445.5	10.7	2.0	12.7	11.0	11.3	11.3	11.0
NC A & T	905.0	9.9	1.7	11.6	5.2	6.2	5.0	7.1
NC Central	315.0	5.3	0.7	6.0	6.5	3.7	5.8	6.2
UNC-Charlotte	1,848.0	15.9	2.7	18.6	20.9	19.5	20.0	17.1
UNC-Wilmington	660.5	17.8	2.2	20.0	19.3	17.5	16.6	15.3
West'n Carolina	645.0	11.1	1.3	12.4	11.3	12.4	11.5	12.9
SUBTOTAL	8,250.5	12.2	1.7	13.9	12.5	11.9	11.8	12.1
Gen. Baccalaureate Universities:								
Elizabeth City	345.0	7.3	1.1	8.4	11.2	12.9	12.0	11.8
Pembroke	234.0	7.2	0.1	7.3	8.7	9.1	10.6	8.4
UNC-Asheville	278.5	5.2	0.9	6.1	6.8	6.8	8.9	12.0
Winston-Salem	198.0	6.8	1.8	8.6	6.8	6.6	8.1	8.5
SUBTOTAL	1,055.5	6.5	0.9	7.4	8.2	8.7	10.0	10.1

Average Weekly Room Hours of Instruction in Class Laboratories

Table 4

INSTITUTION	Total Room Hours	Daytime Hours	Nighttime Hours	All Hours				
				1990	1989	1988	1987	1986
Specialized Institution:								
NC Sch. of Arts	479.0	9.2	0.4	9.6	15.0	15.8	13.1	12.4
Community Colleges:								
SUBTOTAL	38,715.5	13.1	5.6	18.7	18.9	18.9	19.6	20.9
PRIVATE INSTITUTIONS								
Major Research Universities:								
SUBTOTAL	519.0	4.6	0.1	4.7	5.2	8.9	6.8	8.4
Gen. Baccalaureate Colleges:								
SUBTOTAL	3,996.5	7.6	0.4	8.0	7.5	7.4	7.4	7.0
Junior Colleges:								
SUBTOTAL	622.0	7.0	0.3	7.3	6.9	7.0	8.2	7.8
GRAND TOTAL	58,094.0	11.4	3.5	14.9	14.7	14.9	15.2	15.6

Average Weekly Room Hours of Instruction in Class Laboratories

Table 4

INSTITUTION	Total Room Hours	Daytime Hours	Nighttime Hours	All Hours				
				1990	1989	1988	1987	1986
Community Colleges:								
Alamance CC	1,039.5	18.8	6.6	25.4	24.1	27.0	24.8	28.3
Anson CC	320.0	14.3	8.6	22.9	21.8	22.0	18.9	21.7
Asheville-Bun. TCC	814.5	11.6	5.7	17.3	16.0	15.6	17.8	21.1
Beaufort Co. CC	508.0	15.7	6.3	22.0	17.1	17.4	16.4	15.9
Bladen CC	360.0	8.0	8.3	16.3	17.0	16.4	17.4	17.6
Blue Ridge CC	602.0	18.6	7.6	26.2	24.3	26.9	26.3	27.0
Brunswick CC	236.0	10.4	5.3	15.7	16.1	9.2	16.9	15.0
Caldwell CC & TI	696.0	11.3	6.1	17.4	17.3	21.6	20.7	25.2
Cape Fear CC	921.0	16.1	5.8	21.9	24.5	24.3	25.0	27.8
Carteret CC	520.0	11.1	6.2	17.3	21.5	21.0	20.9	21.3
Catawba Vy. CC	1,043.5	14.5	6.8	21.3	20.3	18.2	20.0	19.5
C. Carolina CC	781.0	12.1	5.3	17.4	17.0	17.3	18.0	25.7
C. Piedmont CC	2,933.5	19.1	6.2	25.3	26.6	28.3	35.6	38.2
Cleveland CC	529.5	6.6	5.7	12.3	12.4	14.2	12.5	12.0
Coastal Car. CC	1,025.0	18.5	5.9	24.4	25.7	23.3	21.0	22.9
Col. Albemarle	432.5	10.7	3.3	14.0	15.9	15.1	12.9	16.5
Craven CC	701.0	14.3	4.7	19.0	24.6	27.5	29.3	28.4
Davidson Co. CC	569.0	10.9	5.9	16.8	15.8	15.5	13.6	18.9
Durham TCC	931.5	12.7	8.4	21.1	22.5	21.4	20.9	19.6
Edgecombe CC	466.5	9.0	4.3	13.3	12.7	12.1	7.7	14.7
Fayetteville TCC	1,159.0	16.4	2.9	19.3	19.6	19.2	19.8	20.2
Forsyth TCC	1,186.5	13.9	7.3	21.2	20.5	19.9	18.8	18.1
Gaston Col.	578.0	7.5	3.9	11.4	11.1	12.5	13.7	10.1
Guilford TCC	1,844.5	13.4	6.0	19.4	17.5	17.3	20.2	18.9
Halifax CC	357.5	12.9	5.0	17.9	25.5	24.3	17.5	19.5
Haywood CC	1,013.0	13.7	3.2	16.9	21.2	22.3	20.1	21.1
Isothermal CC	692.0	11.6	6.1	17.7	17.9	22.0	19.6	20.5
J. Sprunt CC	482.0	17.5	3.4	20.9	16.1	16.9	19.2	17.4
Johnston CC	453.0	9.5	4.2	13.7	14.2	15.0	15.1	17.1
Lenoir CC	666.0	13.2	3.5	16.7	14.3	14.0	15.7	18.1

Average Weekly Room Hours of Instruction in Class Laboratories

Table 4

INSTITUTION	Total Room Hours	Daytime Hours	Nighttime Hours	All Hours				
				1990	1989	1988	1987	1986
Community Colleges:								
Martin CC	493.0	14.6	3.0	17.6	15.4	18.2	17.0	18.3
Mayland CC	268.0	19.1	10.7	29.8	24.8	21.7	29.7	27.6
McDowell TCC	480.0	10.9	9.1	20.0	20.6	22.4	24.5	24.4
Mitchell CC	542.5	10.4	6.1	16.5	16.1	14.6	15.1	18.4
Montgomery CC	495.5	14.6	10.2	24.8	21.8	22.5	20.3	23.9
Nash CC	592.5	11.3	7.8	19.1	17.4	16.6	21.5	17.5
Pamlico CC	159.5	12.5	7.4	19.9	20.9	19.2	15.6	17.4
Piedmont CC	349.0	9.6	8.8	18.4	18.4	14.5	13.6	14.3
Pitt CC	993.5	16.3	4.4	20.7	29.8	27.4	25.8	28.4
Randolph CC	678.0	14.4	5.5	19.9	19.2	17.0	19.7	19.9
Richmond CC	403.0	8.6	5.8	14.4	14.0	14.7	16.3	17.9
Roanoke-Cho. CC	268.5	9.7	4.4	14.1	12.0	12.5	15.4	25.7
Robeson CC	588.5	9.3	7.1	16.4	16.3	12.4	17.6	17.5
Rockingham CC	622.0	10.5	4.7	15.2	16.7	15.8	16.2	18.3
Rowan-Cab. CC	647.0	11.8	7.2	19.0	18.3	18.5	20.4	19.6
Sampson CC	396.5	12.5	6.4	18.9	17.8	17.8	22.4	26.9
Sandhills CC	593.5	12.3	3.3	15.6	15.7	18.7	16.6	18.1
Southeastern CC	307.0	8.2	1.4	9.6	14.5	13.9	13.8	15.7
Southwestern CC	365.5	8.9	2.9	11.8	9.8	7.6	11.3	10.6
Stanly CC	449.0	14.0	6.4	20.4	16.7	17.4	17.6	19.1
Surry CC	708.5	17.1	6.6	23.7	23.8	26.0	28.7	29.6
Tri-County CC	279.0	5.8	6.9	12.7	15.2	16.6	15.9	20.9
Vance-Granv. CC	843.0	15.8	10.6	26.4	25.8	18.5	21.9	23.8
Wake TCC	1,088.5	17.4	5.7	23.1	22.4	20.9	21.1	21.0
Wayne CC	583.0	10.0	3.0	13.0	15.2	18.9	18.6	20.1
W. Piedmont CC	544.0	16.1	6.5	22.6	24.6	25.6	21.6	20.8
Wilkes CC	531.5	16.1	2.9	19.0	16.9	19.9	23.4	23.0
Wilson Co. TC	584.5	11.0	6.7	17.7	21.1	22.4	21.9	24.1
TOTAL	38,715.5	13.1	5.6	18.7	18.9	18.9	19.6	20.9

TABLE 5:

AVERAGE WEEKLY USE OF STUDENT STATIONS IN CLASSROOMS

Average weekly use of student stations in classrooms is calculated by dividing the total number of student clock hours generated in classrooms by the total number of student stations in classrooms. More generally, it can be thought of as the average number of hours each week that each classroom student station is used.

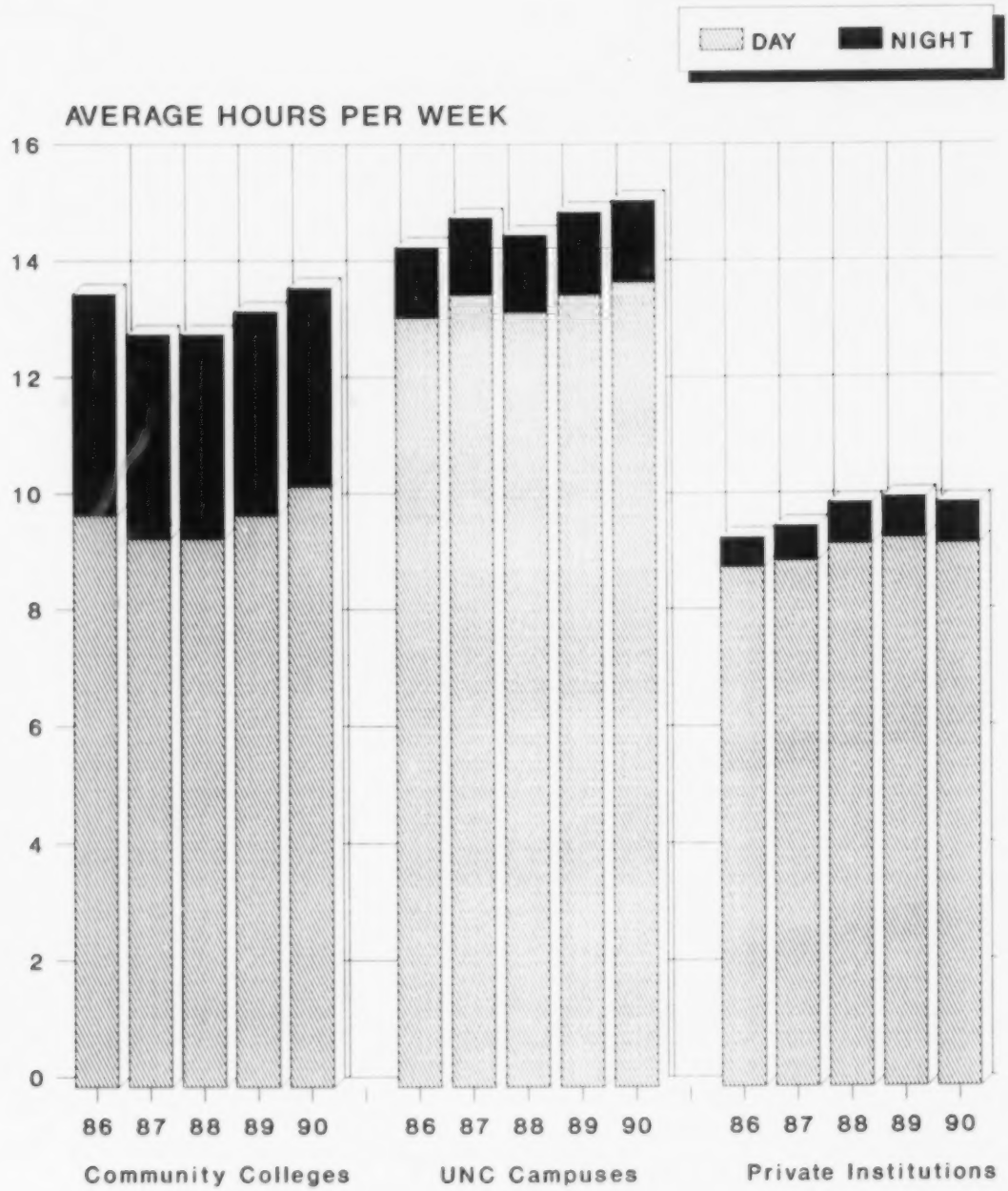
For the current year, Table 5 reports the total number of classroom student stations and breaks down the average weekly use figure into daytime and nighttime utilizations. (See page 24 for precise definitions of classrooms and of daytime and nighttime utilizations.) For purposes of comparison, this table also lists the average weekly use of student stations for the previous four years.

The average weekly use of student stations can serve as an indicator of the adequacy of the number of student stations in classrooms. A norm which has been frequently cited is 18 hours per week. This figure is based on the assumption that the average weekly use of classrooms is 30 hours (see Table 3) and that there is 60% utilization of student stations when classrooms are in use (Table 7). Most North Carolina colleges and universities fall considerably below this norm, suggesting a surplus of classroom student stations.

AVERAGE WEEKLY USE OF STUDENT STATIONS IN CLASSROOMS =

$$\frac{\text{TOTAL STUDENT CLOCK HOURS IN CLASSROOMS}}{\text{TOTAL STUDENT STATIONS IN CLASSROOMS}}$$

AVERAGE WEEKLY USE OF STUDENT STATIONS IN CLASSROOMS



Average Weekly Use of Student Stations in Classrooms

Table 5

INSTITUTION	No. of Stations	Daytime Hours	Nighttime Hours	All Hours				
				1990	1989	1988	1987	1986
Major Research Universities:								
NC State	13,844	18.6	1.5	20.1	19.5	19.1	18.2	19.0
NC State Vet.	-	-	-	-	-	-	-	-
UNC-Chapel Hill	13,644	16.9	0.5	17.4	16.4	16.4	16.5	15.9
UNC-Health Aff.	-	-	-	-	-	-	-	-
SUBTOTAL	27,488	17.7	1.0	18.7	17.9	17.8	17.4	17.5
Other Doctoral Universities:								
UNC-Greensboro	6,592	15.6	2.0	17.6	16.0	16.4	14.9	13.3
Comprehensive Universities:								
Appalachian	8,928	14.2	0.7	14.9	17.6	16.9	18.3	17.1
East Carolina	10,974	12.1	1.7	13.8	13.6	13.7	17.4	16.6
ECU-Health Aff.	-	-	-	-	-	-	-	-
Fayetteville	2,332	10.8	1.8	12.6	11.2	11.5	11.4	12.5
NC A & T	6,548	9.3	1.1	10.4	8.9	7.7	8.8	8.5
NC Central	6,152	8.2	1.6	9.8	9.3	8.1	7.9	7.0
UNC-Charlotte	6,870	17.7	3.2	20.9	20.7	19.6	18.5	17.7
UNC-Wilmington	4,188	18.0	1.3	19.3	19.6	20.4	21.9	19.7
West'n Carolina	4,625	11.8	1.1	12.9	12.1	13.3	11.8	11.7
SUBTOTAL	50,617	12.8	1.6	14.4	14.1	13.7	14.5	13.8
Gen. Baccalaureate Universities:								
Elizabeth City	2,425	7.5	0.7	8.2	10.6	10.5	11.0	11.9
Pembroke	2,997	9.0	1.0	10.0	10.8	9.4	8.2	7.8
UNC-Asheville	2,667	10.0	2.7	12.7	14.8	15.8	18.3	19.7
Winston-Salem	3,611	6.9	1.0	7.9	7.4	7.7	7.5	7.5
SUBTOTAL	11,700	8.3	1.3	9.6	10.3	10.1	10.0	10.2

Average Weekly Use of Student Stations in Classrooms

Table 5

INSTITUTION	No. of Stations	Daytime Hours	Nighttime Hours	All Hours				
				1990	1989	1988	1987	1986
Specialized Institution:								
NC Sch. of Arts	1,050	5.5	0.0	5.5	9.1	7.6	7.4	8.7
Community Colleges:								
SUBTOTAL	76,844	10.3	3.4	13.7	13.3	12.9	12.9	13.6
PRIVATE INSTITUTIONS								
Major Research Universities:								
SUBTOTAL	14,064	10.7	0.6	11.3	11.2	11.1	11.1	10.9
Gen. Baccalaureate Colleges:								
SUBTOTAL	44,310	8.8	0.9	9.7	9.8	9.7	9.2	9.0
Junior Colleges:								
SUBTOTAL	4,872	9.3	0.1	9.4	9.9	9.0	9.5	9.0
GRAND TOTAL	237,537	11.5	1.9	13.4	13.1	12.8	12.8	12.8

Average Weekly Use of Student Stations in Classrooms

Table 5

INSTITUTION	No. of Stations	Daytime Hours	Nighttime Hours	All Hours				
				1990	1989	1988	1987	1986
Community Colleges:								
Alamance CC	1,575	11.2	4.3	15.5	13.2	17.4	14.4	15.3
Anson CC	299	6.8	3.3	10.1	8.9	9.2	7.2	7.5
Ashev'le-Bun. TCC	3,027	9.3	3.4	12.7	12.5	8.9	10.7	12.8
Beaufort Co. CC	776	9.8	4.4	14.2	11.8	9.8	9.2	9.0
Bladen CC	423	10.2	2.9	13.1	11.8	8.5	7.9	12.6
Blue Ridge CC	967	9.8	4.3	14.1	12.6	12.2	15.0	14.8
Brunswick CC	753	9.7	2.4	12.1	10.6	6.8	11.7	11.8
Caldwell CC & TI	1,077	8.9	2.8	11.7	13.1	14.2	14.2	15.7
Cape Fear CC	893	18.9	5.7	24.6	29.6	26.8	27.7	27.1
Carteret CC	990	8.8	4.5	13.3	17.1	16.4	16.0	12.2
Catawba Vy. CC	1,595	11.3	5.3	16.6	13.7	12.6	13.5	13.7
C. Carolina CC	999	11.8	2.8	14.6	15.0	16.4	16.2	19.1
C. Piedmont CC	5,740	13.9	4.9	18.8	18.9	17.7	20.0	22.3
Cleveland CC	1,170	5.1	3.7	8.8	8.1	8.9	6.5	8.3
Coastal Car. CC	1,230	18.6	6.1	24.7	24.6	23.8	21.6	25.3
Col. Albemarle	1,094	9.9	3.2	13.1	12.6	10.7	9.9	9.5
Craven CC	1,381	9.3	2.1	11.4	14.7	12.2	15.6	13.2
Davidson Co. CC	1,572	8.3	2.4	10.7	11.6	10.2	8.5	12.1
Durham TCC	1,472	15.1	6.3	21.4	19.5	18.8	18.1	16.0
Edgecombe CC	1,210	5.1	2.2	7.3	7.0	7.6	4.0	8.9
Fayettev'le TCC	2,823	11.9	3.1	15.0	16.0	16.6	15.7	17.8
Forsyth TCC	2,818	9.3	4.2	13.5	13.3	13.5	11.0	12.5
Gaston Col.	2,422	9.8	2.4	12.2	11.4	11.4	10.6	10.8
Guilford TCC	4,224	11.6	4.2	15.8	15.1	14.7	13.8	14.5
Halifax CC	830	8.7	2.0	10.7	10.8	10.1	8.5	11.5
Haywood CC	812	9.4	2.2	11.6	12.7	13.2	9.8	10.1
Isothermal CC	1,373	8.6	2.4	11.0	8.9	9.5	10.1	8.2
J. Sprunt CC	650	7.6	2.6	10.2	9.8	9.9	9.2	8.5
Johnston CC	1,310	10.4	2.7	13.1	14.6	16.1	15.8	12.1
Lenoir CC	1,620	7.5	1.5	9.0	9.3	11.7	11.0	10.4

Average Weekly Use of Student Stations in Classrooms

Table 5

INSTITUTION	No. of Stations	Daytime Hours	Nighttime Hours	All Hours				
				1990	1989	1988	1987	1986
Community Colleges:								
Martin CC	544	6.4	1.6	8.0	6.9	6.5	6.7	5.8
Mayland CC	506	8.4	2.5	10.9	14.9	10.8	10.9	12.1
McDowell TCC	679	2.2	3.1	5.3	6.4	5.0	4.9	6.9
Mitchell CC	1,640	7.1	1.9	9.0	9.1	7.6	7.1	10.0
Montgomery CC	256	4.7	4.1	8.8	8.9	10.6	12.6	14.3
Nash CC	1,350	6.8	3.3	10.1	9.8	11.2	8.7	7.6
Pamlico CC	190	6.5	2.6	9.1	8.9	9.2	7.1	6.9
Piedmont CC	508	7.2	3.7	10.9	11.0	11.2	10.4	10.1
Pitt CC	1,335	18.1	4.4	22.5	22.2	20.7	18.9	15.4
Randolph CC	869	9.4	4.9	14.3	14.4	14.5	15.3	14.2
Richmond CC	892	7.0	3.6	10.6	9.5	10.3	11.1	12.6
Roanoke-Cho. CC	690	8.3	1.7	10.0	9.0	8.5	8.3	9.5
Robeson CC	986	7.9	3.7	11.6	10.2	6.8	9.8	12.3
Rockingham CC	1,534	8.6	2.9	11.5	10.1	10.1	13.0	13.5
Rowan-Cab. CC	1,901	7.5	3.4	10.9	12.1	10.4	10.4	11.8
Sampson CC	726	9.9	4.0	13.9	14.3	11.5	11.0	15.3
Sandhills CC	1,984	10.0	1.2	11.2	13.2	13.7	13.5	14.9
Southeastern CC	1,204	8.7	2.2	10.9	10.3	9.8	10.6	10.3
Southwestern CC	917	10.9	2.2	13.1	8.3	7.2	7.9	8.6
Stanly CC	841	7.8	2.9	10.7	10.1	9.9	7.9	11.9
Surry CC	922	16.9	5.0	21.9	18.9	15.9	17.0	16.9
Tri-County CC	789	4.4	5.4	9.8	6.4	8.2	10.4	11.5
Vance-Granv. CC	1,029	8.1	3.7	11.8	11.7	10.2	12.3	10.6
Wake TCC	2,424	13.7	2.9	16.6	15.2	14.1	19.2	19.0
Wayne CC	2,083	10.6	2.3	12.9	10.0	14.5	11.9	11.1
W. Piedmont CC	1,020	13.4	4.5	17.9	15.2	18.0	16.6	15.0
Wilkes CC	1,203	12.5	2.4	14.9	13.3	15.1	12.3	11.9
Wilson Co. TC	697	7.8	3.1	10.9	12.0	12.2	11.2	10.7
TOTAL	76,844	10.3	3.4	13.7	13.3	12.9	12.9	13.6

TABLE 6:

AVERAGE WEEKLY USE OF STUDENT STATIONS IN CLASS LABORATORIES

Average weekly use of student stations in class laboratories is calculated by dividing the total number of student clock hours generated in class laboratories by the total number of student stations in class laboratories. More generally, it can be thought of as the average number of hours each week that each class lab student station is used.

For the current year, Table 6 reports the total number of class lab student stations and breaks down the average weekly use figure into daytime and nighttime utilizations. (See page 30 for a discussion of what the term class laboratory includes and page 24 for precise definitions of daytime and nighttime utilizations.) For purposes of comparison, this table also lists the average weekly use of student stations for the previous four years.

The average weekly use of student stations can serve as an indicator of the adequacy of the number of stations in class laboratories. A norm which has been frequently cited is 16 hours. This figure is based on the assumption that the average weekly use of class labs is 20 hours (see Table 4) and that there is 80% utilization of student stations when class labs are in use (Table 7). Most North Carolina colleges and universities fall considerably below this norm. This fact suggests a surplus of class laboratory student stations but gives no indication whether this surplus exists for all types of class laboratories or is limited to the labs of certain academic disciplines.

AVERAGE WEEKLY USE OF STUDENT STATIONS IN CLASS LABORATORIES =

$$\frac{\text{TOTAL STUDENT CLOCK HOURS IN CLASS LABORATORIES}}{\text{TOTAL STUDENT STATIONS IN CLASS LABORATORIES}}$$

AVERAGE WEEKLY USE OF STUDENT STATIONS IN CLASS LABORATORIES

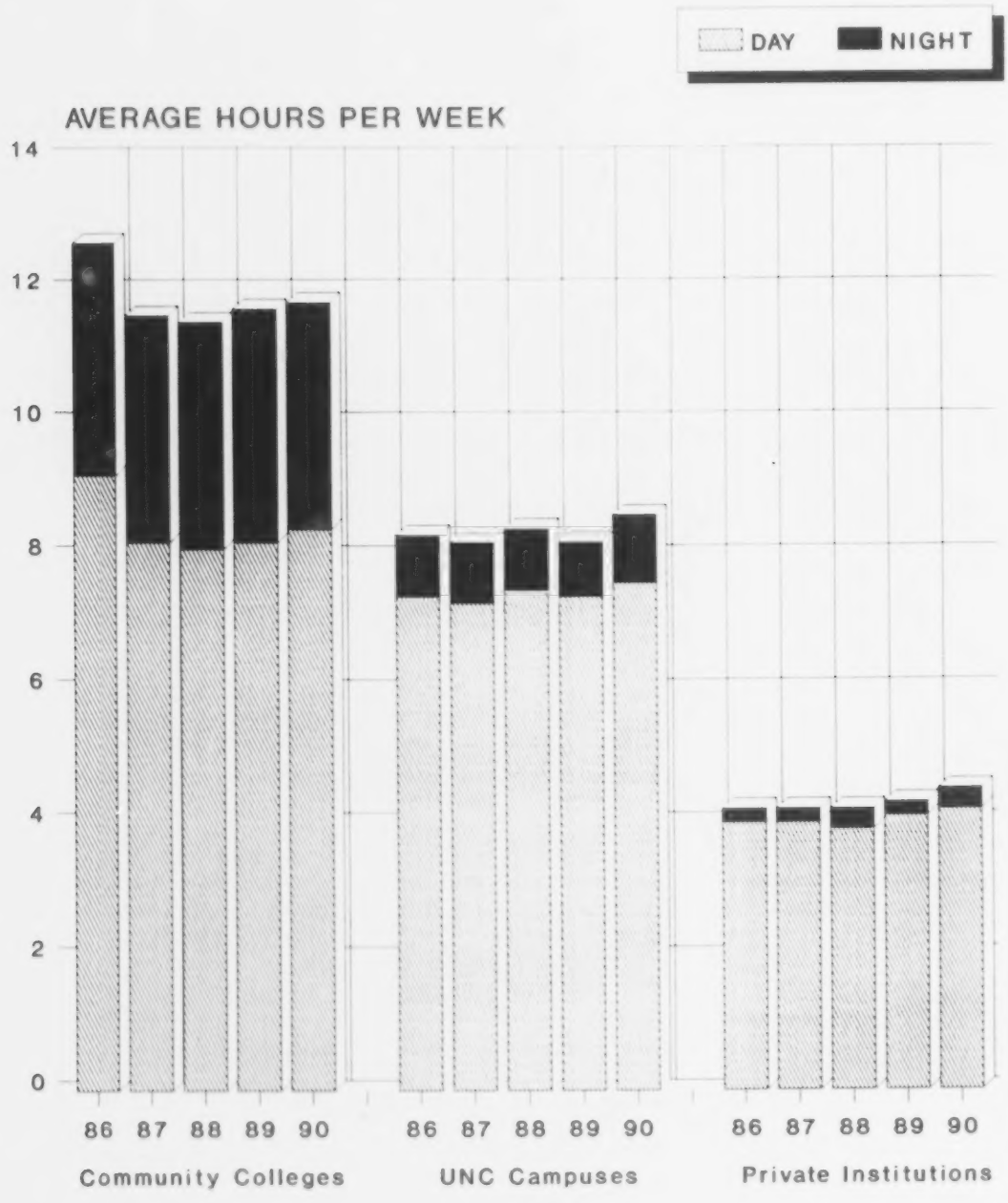


Table 6

Average Weekly Use of Student Stations in Class Laboratories

INSTITUTION	No. of Stations	Daytime Hours	Nighttime Hours	All Hours				
				1990	1989	1988	1987	1986
Major Research Universities:								
NC State	5,023	8.1	0.8	8.9	9.0	9.9	9.4	10.6
NC State Vet.	-	-	-	-	-	-	-	-
UNC-Chapel Hill	2,832	8.3	1.5	9.8	9.3	11.7	11.5	12.1
UNC-Health Aff.	-	-	-	-	-	-	-	-
SUBTOTAL	7,855	8.1	1.1	9.2	9.1	10.5	10.0	11.0
Other Doctoral Universities:								
UNC-Greensboro	1,627	9.5	0.8	10.3	9.6	9.1	8.9	5.2
Comprehensive Universities:								
Appalachian	2,323	9.5	0.9	10.4	10.8	10.3	8.3	10.0
East Carolina	3,378	8.1	1.0	9.1	9.7	9.6	10.4	10.0
ECU-Health Aff.	-	-	-	-	-	-	-	-
Fayetteville	1,206	6.1	1.5	7.6	5.5	5.8	5.8	6.8
NC A & T	2,389	5.4	0.7	6.1	3.5	4.1	3.6	4.1
NC Central	1,351	4.1	0.5	4.6	5.3	2.5	4.1	3.7
UNC-Charlotte	2,739	11.7	1.9	13.6	13.6	13.5	13.8	12.9
UNC-Wilmington	910	12.0	1.5	13.5	14.5	12.9	11.8	10.6
West'n Carolina	1,458	5.3	0.6	5.9	5.2	5.3	4.9	5.6
SUBTOTAL	15,754	8.0	1.1	9.1	8.2	8.0	7.8	7.8
Gen. Baccalaureate Universities:								
Elizabeth City	1,119	4.7	1.0	5.7	5.5	6.5	5.7	5.5
Pembroke	751	4.9	0.1	5.0	6.3	5.6	6.2	6.0
UNC-Asheville	1,039	4.0	0.6	4.6	5.2	4.8	4.8	9.1
Winston-Salem	657	3.8	1.5	5.3	4.1	3.6	4.2	4.5
SUBTOTAL	3,566	4.4	0.8	5.2	5.2	5.1	5.2	6.0

Average Weekly Use of Student Stations in Class Laboratories

Table 6

INSTITUTION	No. of Stations	Daytime Hours	Nighttime Hours	All Hours				
				1990	1989	1988	1987	1986
Specialized Institution:								
NC Sch. of Arts	1,138	6.6	0.4	7.0	9.1	10.1	8.8	7.9
Community Colleges:								
SUBTOTAL	47,639	8.4	3.4	11.8	11.7	11.5	11.6	12.7
PRIVATE INSTITUTIONS								
Major Research Universities:								
SUBTOTAL	2,414	4.0	0.1	4.1	4.0	5.6	5.3	6.9
Gen. Baccalaureate Colleges:								
SUBTOTAL	12,930	4.3	0.3	4.6	4.5	4.1	3.9	3.6
Junior Colleges:								
SUBTOTAL	2,036	4.1	0.2	4.3	3.9	4.2	5.1	4.6
GRAND TOTAL	94,959	7.4	2.1	9.5	9.2	9.2	9.1	9.6

Table 6

Average Weekly Use of Student Stations in Class Laboratories

INSTITUTION	No. of Stations	Daytime Hours	Nighttime Hours	All Hours				
				1990	1989	1988	1987	1986
Community Colleges:								
Alamance CC	1,076	9.2	3.7	12.9	12.0	13.9	12.6	14.6
Anson CC	307	5.5	4.2	9.7	8.8	8.2	8.4	10.1
Asheville-Bun. TCC	1,054	7.4	3.8	11.2	10.8	10.9	12.0	15.6
Beaufort Co. CC	483	9.7	3.8	13.5	9.4	8.5	7.8	8.8
Bladen CC	455	4.9	4.5	9.4	8.4	9.7	9.4	11.2
Blue Ridge CC	577	9.7	3.8	13.5	11.9	12.4	11.7	13.8
Brunswick CC	295	7.7	2.5	10.2	9.9	6.5	9.0	12.2
Caldwell CC & TI	705	7.5	3.9	11.4	11.5	14.2	13.8	16.0
Cape Fear CC	905	13.6	5.1	18.7	19.2	20.6	20.2	23.5
Carteret CC	699	7.1	3.3	10.4	11.3	11.6	13.1	12.2
Catawba Vy. CC	1,112	10.7	4.8	15.5	13.1	12.0	12.9	12.7
C. Carolina CC	936	8.6	2.8	11.4	10.9	11.0	11.6	14.6
C. Piedmont CC	3,183	11.7	3.8	15.5	17.9	16.3	18.4	19.6
Cleveland CC	945	3.5	4.1	7.6	7.6	7.8	6.9	6.3
Coastal Car. CC	942	12.3	3.8	16.1	17.1	14.6	13.4	15.5
Col. Albemarle	773	6.9	1.5	8.4	8.6	8.2	7.6	8.1
Craven CC	912	8.5	2.2	10.7	13.9	15.6	16.7	17.6
Davidson Co. CC	795	7.0	3.3	10.3	10.0	9.1	7.3	10.2
Durham TCC	994	8.5	5.6	14.1	14.1	15.1	15.3	15.4
Edgecombe CC	714	5.7	2.4	8.1	7.1	6.7	3.6	6.6
Fayettevile TCC	1,525	9.5	1.4	10.9	11.7	12.0	11.6	12.8
Forsyth TCC	1,329	8.8	4.9	13.7	13.9	12.6	12.1	12.3
Gaston Col.	1,282	5.2	2.4	7.6	7.5	8.2	7.8	7.0
Guilford TCC	2,152	10.0	4.3	14.3	12.8	12.5	15.3	15.7
Halifax CC	501	5.6	2.1	7.7	10.0	10.1	6.3	7.7
Haywood CC	1,233	9.0	2.2	11.2	12.7	13.5	12.9	13.4
Isothermal CC	856	7.5	3.5	11.0	11.3	13.8	11.6	12.9
J. Sprunt CC	493	8.0	1.6	9.6	9.1	8.5	8.6	9.0
Johnston CC	825	6.9	2.2	9.1	8.8	9.5	9.2	9.7
Lenoir CC	885	8.6	2.2	10.8	10.2	9.9	10.8	9.5

Average Weekly Use of Student Stations in Class Laboratories

Table 6

INSTITUTION	No. of Stations	Daytime Hours	Nighttime Hours	All Hours				
				1990	1989	1988	1987	1986
Community Colleges:								
Martin CC	714	8.6	1.7	10.3	7.2	7.4	8.6	7.5
Mayland CC	215	10.5	4.3	14.8	11.7	13.2	12.4	11.7
McDowell TCC	566	6.8	5.3	12.1	11.0	11.5	11.4	12.6
Mitchell CC	848	6.1	2.8	8.9	9.3	10.3	8.3	10.7
Montgomery CC	328	9.6	6.0	15.6	13.2	13.7	12.3	14.0
Nash CC	519	9.9	7.6	17.5	13.3	12.7	14.8	12.4
Pamlico CC	121	6.6	3.9	10.5	12.3	12.2	9.2	11.8
Piedmont CC	430	4.9	3.7	8.6	8.9	8.6	8.3	8.6
Pitt CC	883	11.7	3.3	15.0	15.3	15.8	15.0	15.2
Randolph CC	728	10.6	3.1	13.7	14.2	13.0	13.7	15.2
Richmond CC	539	5.1	3.8	8.9	10.3	8.3	10.6	11.6
Roanoke-Cho. CC	443	5.6	1.8	7.4	6.8	7.0	7.1	9.9
Robeson CC	1,087	5.6	3.4	9.0	8.1	6.5	8.5	9.2
Rockingham CC	963	5.7	2.8	8.5	9.1	8.3	10.3	10.5
Rowan-Cab. CC	870	7.3	4.5	11.8	11.3	11.2	11.1	11.0
Sampson CC	580	7.0	3.2	10.2	8.3	8.5	9.4	15.8
Sandhills CC	947	7.4	1.9	9.3	9.4	11.5	9.5	10.5
Southeastern CC	821	5.3	0.8	6.1	9.1	7.8	7.7	10.0
Southwestern CC	564	6.5	2.0	8.5	5.7	4.3	6.7	6.2
Stanly CC	633	6.3	2.6	8.9	7.1	6.6	7.5	8.3
Surry CC	724	11.6	4.5	16.1	15.6	17.3	17.6	18.5
Tri-County CC	395	4.1	4.9	9.0	10.1	10.1	8.3	12.1
Vance-Granv. CC	819	11.7	5.7	17.4	15.2	10.8	11.6	13.2
Wake TCC	877	12.4	4.7	17.1	16.8	15.2	15.1	16.3
Wayne CC	1,106	7.4	1.7	9.1	9.9	12.6	11.3	12.4
W. Piedmont CC	553	11.3	4.1	15.4	17.6	16.5	13.8	13.9
Wilkes CC	702	8.3	1.3	9.6	9.5	11.4	11.8	12.2
Wilson Co. TC	721	6.1	4.4	10.5	11.1	11.4	10.6	12.6
TOTAL	47,639	8.4	3.4	11.8	11.7	11.5	11.6	12.7

TABLE 7:

PERCENT STUDENT STATION UTILIZATION, CLASSROOMS AND CLASS LABORATORIES

Percent student station utilization indicates the average percentage of student stations that are occupied when classrooms or class laboratories are in use. It is calculated by dividing the student clock hours generated in classrooms (or class labs) by the potential student clock hours for classrooms (or class labs) and multiplying by 100 to convert to a percentage. Potential student clock hours is computed on a room-by-room basis by multiplying the number of student stations in each room by the room hours of instruction generated by the room (Tables 3 and 4). It indicates the number of student clock hours which would be generated if every room were filled to capacity (i.e., if the number of students equalled the number of stations) each time a course met in the room.

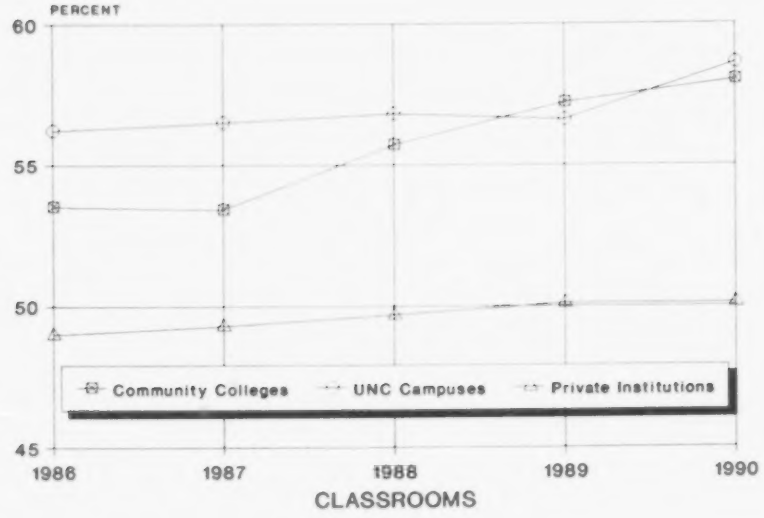
It is important to keep in mind that the percent student station utilization assesses the utilization of rooms only when they are in use. This figure is therefore a helpful indicator of how close to capacity an institution's courses are to the rooms in which they are scheduled. It does not, however, indicate the over-all efficiency of utilization since it does not take into account how frequently a room is used.

Frequently cited norms for percent student station utilization are 60% for classrooms and 80% for class laboratories. The higher percentage for class labs reflects the assumption that these rooms, although used less frequently than classrooms because of their specialized equipment, are usually closer to being filled to capacity when they are in use. Data for North Carolina colleges and universities, however, indicate that the percent student station utilization in class labs is not significantly higher than in classrooms. For both types of rooms, the average percentage is usually less than 60%.

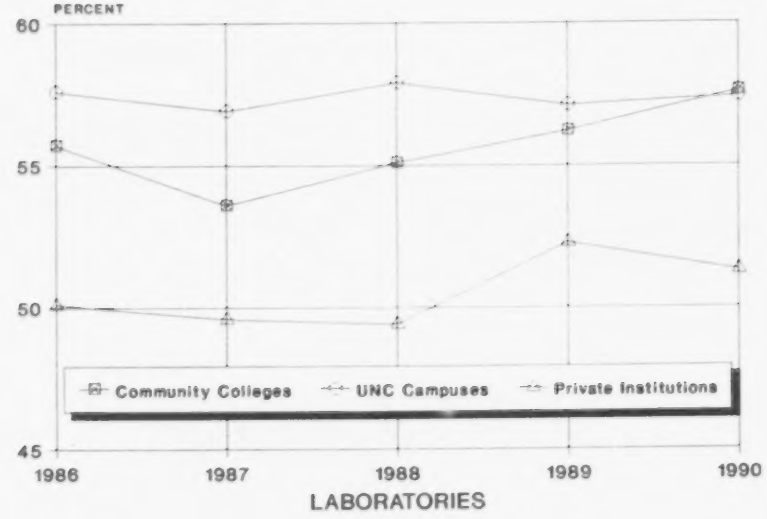
PERCENT STUDENT STATION UTILIZATION IN CLASSROOMS (OR CLASS LABS) =

$$\frac{\text{STUDENT CLOCK HOURS IN CLASSROOMS (OR CLASS LABS)}}{\text{POTENTIAL STUDENT CLOCK HOURS IN CLASSROOMS (OR CLASS LABS)}}$$

PERCENT STUDENT STATION UTILIZATION, CLASSROOMS AND CLASS LABORATORIES



CLASSROOMS



LABORATORIES

Table 7

Percent Student Station Utilization, Classrooms and Class Laboratories

INSTITUTION	Classrooms					Laboratories				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
Major Research Universities:										
NC State	62.6	60.5	58.9	55.8	58.6	73.3	71.4	70.1	69.5	71.6
NC State Vet.	-	-	-	-	-	-	-	-	-	-
UNC-Chapel Hil	64.5	58.7	60.5	60.7	59.4	54.4	48.0	61.3	58.7	62.0
UNC-Health Aff.	-	-	-	-	-	-	-	-	-	-
SUBTOTAL	63.5	59.7	59.7	57.9	59.0	64.7	60.8	66.7	65.3	68.0
Other Doctoral Universities:										
UNC-Greensboro	63.6	61.0	62.9	58.1	59.1	58.5	58.0	54.6	51.2	46.3
Comprehensive Universities:										
Appalachian	58.1	58.5	57.7	57.9	56.1	62.3	61.8	60.4	54.8	55.4
East Carolina	56.2	54.7	58.1	59.4	58.5	53.0	56.1	62.6	61.3	62.6
ECU-Health Aff.	-	-	-	-	-	-	-	-	-	-
Fayetteville	50.7	49.1	45.0	44.1	49.0	54.6	50.7	47.4	46.9	55.2
NC A & T	53.3	50.8	49.7	57.6	50.5	40.4	45.7	44.7	40.8	39.0
NC Central	54.4	55.7	49.4	51.5	48.9	63.3	69.4	52.5	58.8	46.4
UNC-Charlotte	59.9	57.4	58.2	58.0	58.6	62.6	59.9	63.9	65.1	70.2
UNC-Wilmington	58.0	60.2	59.8	60.9	59.1	59.9	66.6	65.3	62.4	59.2
West'n Carolina	56.7	50.4	52.1	52.9	51.5	40.4	38.4	37.7	40.0	38.9
SUBTOTAL	56.8	55.5	55.5	56.9	55.4	54.8	56.3	56.8	55.5	55.0
Gen. Baccalaureate Universities:										
Elizabeth City	45.6	48.2	49.8	48.2	46.2	49.1	39.3	40.2	44.8	40.9
Pembroke	50.1	54.5	55.6	53.6	51.0	57.3	61.8	48.7	50.3	58.0
UNC-Asheville	51.7	44.7	44.9	45.0	48.7	51.8	57.3	44.5	46.5	64.1
Winston-Salem	43.8	44.4	46.9	44.3	45.6	52.2	48.7	43.4	40.8	48.3
SUBTOTAL	48.0	47.7	48.9	47.2	47.7	51.9	50.3	43.9	45.9	51.1

Table 7

Percent Student Station Utilization, Classrooms and Class Laboratories

INSTITUTION	Classrooms					Laboratories				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
Specialized Institution:										
NC Sch. of Arts	58.4	53.4	50.8	53.8	53.3	60.9	54.9	56.1	53.8	51.7
Community Colleges:										
SUBTOTAL	58.0	57.2	55.7	53.4	53.5	57.6	56.2	55.1	53.6	55.7
PRIVATE INSTITUTIONS										
Major Research Universities:										
SUBTOTAL	50.3	50.5	51.5	50.0	51.4	71.8	65.9	56.3	66.6	71.3
Gen. Baccalaureate Colleges:										
SUBTOTAL	49.4	49.1	48.2	48.0	47.3	49.1	51.3	48.5	46.1	45.5
Junior Colleges:										
SUBTOTAL	58.1	60.3	59.4	58.7	56.3	49.8	47.4	51.0	53.1	50.5
GRAND TOTAL	56.5	55.3	54.8	53.9	53.7	57.0	56.1	55.4	54.1	55.6

Table 7

Percent Student Station Utilization, Classrooms and Class Laboratories

INSTITUTION	Classrooms					Laboratories				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
Community Colleges:										
Alamance CC	50.2	47.0	46.2	44.9	46.4	49.3	47.1	47.4	47.1	50.6
Anson CC	43.8	45.7	45.7	49.7	47.6	40.7	38.2	34.7	39.6	40.1
Ashev'le-Bun. TCC	62.6	57.3	57.8	54.5	60.4	59.2	62.7	63.4	61.7	70.0
Beaufort Co. CC	54.8	51.3	46.1	44.5	47.4	58.7	50.6	44.4	44.0	49.2
Bladen CC	53.0	61.5	63.1	66.1	72.6	53.6	47.4	59.9	54.2	64.9
Blue Ridge CC	60.7	63.6	57.6	55.5	55.8	49.6	46.9	45.2	43.2	50.6
Brunswick CC	52.0	58.3	48.6	52.9	54.6	62.6	57.5	61.2	50.9	79.8
Caldwell CC & TI	52.0	58.9	54.2	56.8	54.0	54.0	54.1	58.5	60.7	57.5
Cape Fear CC	70.4	90.0	87.3	79.5	80.1	80.1	74.5	81.7	77.3	78.5
Carteret CC	55.0	62.2	60.0	59.3	57.8	61.1	52.3	56.0	62.5	56.2
Catawba Vy. CC	61.8	59.1	64.7	66.9	61.9	69.2	62.5	65.5	61.3	61.4
C. Carolina CC	55.5	52.6	55.9	55.5	57.2	57.7	56.9	55.1	55.9	53.1
C. Piedmont CC	62.3	65.1	56.9	58.2	55.5	51.9	54.3	44.0	44.6	45.9
Cleveland CC	50.2	48.5	49.6	39.6	45.3	55.2	54.8	50.4	51.6	46.9
Coastal Car. CC	69.1	68.8	65.0	63.3	66.6	61.6	63.5	60.8	60.1	64.6
Col. Albemarle	59.2	56.9	50.8	44.0	43.2	54.4	49.1	51.4	53.9	48.3
Craven CC	53.4	49.0	48.3	53.5	45.1	52.6	54.0	55.5	53.6	60.4
Davidson Co. CC	52.9	54.9	51.2	47.9	46.8	57.5	57.9	54.9	47.0	52.1
Durham TCC	63.8	62.5	61.1	56.8	53.1	58.5	57.3	64.9	64.9	67.3
Edgecombe CC	51.4	43.8	46.9	43.6	41.4	54.2	45.9	43.7	36.7	37.8
Fayettev'le TCC	46.1	48.3	53.5	50.8	54.6	52.5	55.9	58.2	54.6	60.4
Forsyth TCC	61.0	58.7	55.2	57.2	58.0	64.9	66.8	64.1	66.0	70.3
Gaston Col.	64.1	58.6	58.5	53.1	55.0	60.7	62.1	60.1	51.7	64.2
Guilford TCC	67.1	62.4	60.2	56.3	61.7	68.1	66.6	65.5	69.1	75.5
Halifax CC	52.4	48.5	46.3	45.2	49.3	41.1	38.1	41.1	36.0	39.1
Haywood CC	50.8	52.3	53.1	49.0	47.1	60.3	57.1	56.3	60.2	61.4
Isothermal CC	51.5	55.3	52.4	39.4	42.4	51.3	51.3	53.9	44.0	49.9
J. Sprunt CC	58.3	56.7	53.5	39.5	48.2	41.2	45.7	39.9	37.9	45.4
Johnston CC	58.4	57.1	61.1	52.8	53.6	55.3	54.5	54.4	54.7	47.8
Lenoir CC	50.0	58.5	60.9	58.2	55.1	50.9	55.2	57.8	55.8	47.4

Table 7

Percent Student Station Utilization, Classrooms and Class Laboratories

INSTITUTION	Classrooms					Laboratories				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
Community Colleges:										
Martin CC	45.4	49.6	45.1	42.3	44.7	54.7	44.4	39.4	49.8	42.1
Mayland CC	52.0	57.1	39.8	36.8	38.8	54.2	49.0	61.9	40.4	41.7
McDowell TCC	46.7	45.4	40.4	40.6	49.5	56.5	50.6	48.5	42.4	46.2
Mitchell CC	57.1	56.5	57.0	54.7	52.1	49.4	52.1	63.5	49.9	53.0
Montgomery CC	48.5	45.3	47.7	61.7	56.5	60.9	56.1	55.6	58.4	55.9
Nash CC	53.6	52.1	52.8	49.2	45.7	83.9	68.8	70.8	60.0	66.7
Pamlico CC	38.4	38.4	52.6	44.5	45.6	46.7	50.4	51.3	48.0	54.1
Piedmont CC	72.7	66.5	73.6	61.4	51.8	46.8	47.8	54.2	51.3	55.0
Pitt CC	68.2	60.8	56.2	53.7	53.4	61.3	48.0	52.6	53.8	51.5
Randolph CC	67.3	74.8	72.4	71.6	70.3	65.3	70.1	71.9	67.4	72.7
Richmond CC	60.2	59.1	53.7	55.7	61.5	59.5	66.3	49.6	57.3	59.2
Roanoke-Cho. CC	56.6	47.2	53.4	50.6	45.0	48.8	54.7	55.4	49.3	38.7
Robeson CC	55.7	54.2	54.4	49.4	51.3	54.0	50.6	51.0	44.4	49.0
Rockingham CC	53.1	53.6	56.6	51.2	56.0	48.8	47.5	45.6	53.7	45.3
Rowan-Cab. CC	49.9	50.5	46.5	44.9	47.6	61.3	59.5	59.5	53.8	55.9
Sampson CC	56.2	53.0	51.4	43.4	42.3	51.8	52.0	48.7	43.4	56.1
Sandhills CC	53.6	58.3	54.2	52.4	50.3	56.7	53.8	58.7	52.3	51.6
Southeastern CC	62.0	63.4	53.6	60.6	58.8	62.2	62.7	55.0	53.6	59.5
Southwestern CC	57.2	44.4	47.1	43.9	41.2	68.5	59.7	52.8	58.0	55.3
Stanly CC	48.8	44.2	42.8	44.8	54.5	42.2	40.4	33.7	38.2	38.2
Surry CC	71.6	68.0	66.6	62.7	61.8	66.2	63.1	65.8	63.3	64.1
Tri-County CC	52.2	46.7	51.5	46.4	44.4	64.2	60.9	54.5	48.7	52.9
Vance-Granv. CC	49.6	53.5	44.5	48.6	44.8	63.0	56.3	53.2	51.2	53.1
Wake TCC	59.8	57.7	55.2	57.7	55.4	67.2	67.8	66.5	67.0	69.0
Wayne CC	56.1	48.2	55.5	47.9	48.2	62.9	60.0	61.4	53.2	54.3
W. Piedmont CC	61.4	60.7	57.5	57.0	48.7	63.5	65.4	60.0	57.6	58.0
Wilkes CC	53.9	54.2	59.7	47.3	49.1	49.2	54.9	51.8	45.2	53.4
Wilson Co. TC	55.4	55.6	57.1	58.8	53.5	52.1	46.5	44.2	43.9	46.7
TOTAL	58.0	57.2	55.7	53.4	53.5	57.6	56.2	55.1	53.6	55.7

TABLE 8:

STUDENT CLOCK HOURS OF INSTRUCTION

This table indicates the weekly student clock hours of instruction being conducted at the end of the fall drop-add period. Student clock hours are computed by multiplying for each course the number of hours that the course meets each week by the number of students enrolled. (To compute the number of hours that the course meets each week, the class length is rounded to the nearest half hour and multiplied by the number of times the class meets weekly.) The data reflect both credit and non-credit courses which were at least eight weeks in duration.

The columns headed "Laboratories" reflect instruction conducted only in class laboratories (room code 210). A precise definition of class laboratory is provided on page 30. The columns headed "Other" reflect instruction in rooms coded other than 110 and 210 (e.g., other types of laboratories, physical education facilities, offices). An outline of the room code structure is presented on page 118.

The number of clock hours conducted in a particular category of space is a function of the number of students enrolled, the nature of the instructional programs being pursued by the students, and the instructional philosophy of the institution. As a result, the number of student clock hours generated per FTE student varies by type of institution:

INSTITUTIONAL GROUP	STUDENT CLOCK HR./FTE
By Control:	
University of North Carolina	15
Private Institutions	14
Technical/Community Colleges	19
By Level:	
Major Research Universities	15
Other Baccalaureate-Granting Institutions	15
Two-year Institutions	19
All North Carolina Institutions	16

Table 8

Student Clock Hours of Instruction

INSTITUTION	1990			1989			1988		
	Classrooms	Laboratories	Other	Classrooms	Laboratories	Other	Classrooms	Laboratories	Other
Major Research Universities:									
NC State	278,032.0	44,386.5	23,864.0	269,365.5	45,953.5	16,972.5	263,423.0	46,742.0	16,434.0
NC State Vet.	-	-	-	-	-	-	-	-	-
UNC-Chapel Hill	236,928.5	27,836.0	11,694.0	226,200.5	25,767.0	11,507.5	229,036.0	25,458.0	11,200.5
UNC-Health Aff.	-	-	-	-	-	-	-	-	-
SUBTOTAL	514,960.5	72,222.5	35,558.0	495,566.0	71,720.5	28,480.0	492,459.0	72,200.0	27,634.5
Other Doctoral Universities:									
UNC-Greensboro	115,974.5	16,703.5	13,837.5	112,708.0	19,971.5	11,818.0	106,869.5	19,679.0	12,045.5
Comprehensive Universities:									
Appalachian	133,472.0	24,186.0	2,671.0	126,152.5	23,939.5	7,529.5	121,493.0	22,398.5	3,671.5
East Carolina	151,524.5	30,663.5	8,920.0	152,248.5	31,348.0	11,872.5	145,591.5	34,363.5	9,292.0
ECU-Health Aff.	-	-	-	-	-	-	-	-	-
Fayetteville	29,362.0	9,219.0	4,351.0	26,202.0	6,621.0	3,749.5	25,491.5	6,939.0	1,778.0
NC A & T	67,738.5	14,630.0	4,352.0	63,651.0	14,197.5	6,623.5	59,421.5	14,217.5	7,509.0
NC Central	60,515.5	6,152.5	5,009.5	56,645.5	6,895.5	5,419.5	49,749.5	3,392.0	3,986.0
UNC-Charlotte	143,398.0	37,246.5	5,027.0	129,450.0	35,036.0	6,552.0	127,000.0	31,534.0	9,131.5
UNC-Wilmington	80,934.5	12,296.0	4,018.0	81,923.0	12,646.0	4,066.5	77,712.0	11,634.5	3,824.0
West'n Carolina	59,644.0	8,604.0	6,882.0	58,136.0	7,500.0	13,194.0	58,681.0	8,182.0	12,713.5
SUBTOTAL	726,589.0	142,997.5	41,230.5	694,408.5	138,183.5	59,007.0	665,140.0	132,661.0	51,905.5
Gen. Baccalaureate Universities:									
Elizabeth City	20,102.5	6,379.0	3,032.5	21,100.0	4,423.5	2,470.0	20,781.0	5,193.0	2,779.0
Pembroke	30,030.0	3,723.5	2,673.0	29,700.0	3,636.5	3,292.5	28,383.5	4,324.0	2,836.5
UNC-Asheville	33,843.0	4,754.0	2,708.0	29,342.5	5,280.5	4,649.0	30,442.5	4,894.5	2,790.5
Winston-Salem	28,523.5	3,464.0	3,248.5	26,673.5	2,773.0	3,777.0	27,866.0	2,286.0	2,810.5
SUBTOTAL	112,499.0	18,320.5	11,662.0	106,816.0	16,113.5	14,188.5	107,473.0	16,697.5	11,216.5
Specialized Institution:									
NC Sch. of Arts	5,770.5	8,006.0	2,438.5	6,623.0	10,334.0	1,494.5	5,664.0	12,949.0	5,029.5
Community Colleges:									
SUBTOTAL	1,056,260.0	561,565.0	138,219.5	982,293.0	550,021.0	112,244.5	919,455.5	533,693.5	106,951.5
PRIVATE INSTITUTIONS									
Major Research Universities:									
SUBTOTAL	158,908.5	9,936.5	20,059.0	158,231.0	9,686.0	16,450.5	154,001.0	5,418.5	22,328.0
Gen. Baccalaureate Colleges:									
SUBTOTAL	428,874.5	59,864.5	40,349.5	431,353.5	57,786.5	36,114.0	413,484.5	53,037.0	35,171.5
Junior Colleges:									
SUBTOTAL	45,584.0	8,621.0	4,669.5	50,546.0	8,169.0	5,852.0	45,801.5	8,276.0	5,761.5
GRAND TOTAL	3,165,420.5	898,237.0	308,024.0	3,038,545.0	881,985.5	285,649.0	2,910,348.0	854,611.5	278,044.0

Table 8

Student Clock Hours of Instruction

INSTITUTION	1990			1989			1988		
	Classrooms	Laboratories	Other	Classrooms	Laboratories	Other	Classrooms	Laboratories	Other
Community Colleges:									
Alamance CC	24,421.0	13,892.5	2,153.0	21,342.5	12,696.5	3,135.0	20,579.5	12,333.5	2,300.0
Anson CC	3,029.5	2,994.0	1,170.0	2,389.0	3,078.0	822.0	2,480.0	2,881.0	379.0
Ashev'le-Bun. TCC	38,498.5	11,840.0	3,831.0	30,043.0	10,529.0	1,223.5	25,683.0	12,461.0	1,471.0
Beaufort Co. CC	11,042.5	6,508.5	566.5	9,706.5	5,817.0	48.0	8,154.0	5,141.5	15.0
Bladen CC	5,542.5	4,300.5	438.0	4,966.5	4,150.0	586.0	3,189.5	4,904.5	88.0
Blue Ridge CC	13,644.5	7,789.0	351.0	10,683.5	6,862.0	300.0	9,418.0	7,124.5	431.0
Brunswick CC	9,137.0	3,029.0	776.0	8,231.0	2,921.0	634.0	5,116.5	3,250.5	96.0
Caldwell CC & TI	12,634.5	7,996.5	3,453.0	12,734.5	8,317.0	1,241.5	12,593.0	8,973.0	1,060.0
Cape Fear CC	21,929.5	16,985.0	2,856.0	20,533.0	15,904.0	1,883.0	17,705.0	15,704.0	2,532.0
Carteret CC	13,211.0	7,286.0	703.0	13,313.0	7,622.5	210.0	11,455.0	7,895.0	50.0
Catawba Vy. CC	26,358.0	17,261.0	2,780.0	23,514.5	14,845.0	1,756.0	22,500.5	12,192.5	2,081.5
C. Carolina CC	14,576.5	10,706.0	1,292.5	15,494.5	9,955.5	2,417.0	15,506.5	9,501.0	1,349.5
C. Piedmont CC	108,000.0	49,273.0	17,397.0	97,122.0	51,115.5	9,772.5	92,259.5	45,971.5	11,665.5
Cleveland CC	10,238.0	7,142.5	2,564.0	9,826.0	7,165.0	1,342.0	9,177.0	7,340.0	460.0
Coastal Car. CC	30,427.5	15,126.0	2,620.0	30,312.0	15,783.5	2,657.0	31,718.0	12,125.0	2,543.0
Col. Albemarle	14,302.0	6,491.5	4,624.5	13,417.5	6,625.5	5,510.5	9,949.0	6,461.0	3,144.5
Craven CC	15,784.5	9,814.0	3,382.0	15,746.0	9,993.0	5,470.0	13,109.5	11,244.5	9,030.0
Davidson Co. CC	16,883.5	8,215.0	933.5	18,293.0	7,960.0	916.0	16,104.0	7,249.0	2,213.5
Durham TCC	31,529.5	14,049.5	4,822.0	31,700.0	13,994.5	885.5	28,769.5	13,899.5	635.0
Edgecombe CC	8,863.0	5,776.0	406.0	7,011.0	5,147.5	464.0	7,560.5	4,441.0	135.0
Fayettev'le TCC	42,382.0	16,608.0	701.0	47,753.5	14,703.0	844.0	49,282.5	15,214.0	908.0
Forsyth TCC	38,170.0	18,224.0	4,465.0	36,703.0	19,796.0	5,756.5	36,558.0	17,365.5	2,599.0
Gaston Col.	29,621.5	9,798.5	8,858.0	27,164.0	9,221.5	3,701.0	23,635.0	10,091.0	4,646.0
Guilford TCC	66,902.0	30,853.5	2,082.0	62,248.0	28,313.0	2,590.5	55,750.5	29,137.0	3,619.0
Halifax CC	8,830.5	3,852.0	4,630.0	7,772.0	5,024.0	4,055.0	7,567.0	5,025.5	3,351.0
Haywood CC	9,488.5	13,837.0	1,091.0	8,630.0	16,548.0	649.0	9,229.5	16,974.0	689.0
Isothermal CC	15,057.0	9,395.0	3,511.5	12,130.5	8,828.0	4,940.0	12,876.5	10,620.0	4,250.0
J. Sprunt CC	6,632.5	4,747.0	743.0	6,811.0	4,351.5	401.0	6,345.5	4,012.5	280.0
Johnston CC	17,200.5	7,454.0	1,122.0	16,055.0	7,190.5	537.0	16,117.5	7,435.5	475.0
Lenoir CC	14,608.0	9,485.5	6,168.5	15,530.5	9,023.0	1,389.5	17,471.0	9,744.5	2,777.0
Martin CC	4,354.0	7,340.0	2,279.0	4,403.5	4,657.0	3,917.0	4,973.0	3,849.0	1,866.0
Mayland CC	5,525.5	3,192.0	1,551.0	6,253.0	2,517.5	1,520.0	3,601.0	3,209.5	465.5
McDowell TCC	3,641.0	6,848.5	470.5	4,303.5	6,235.5	511.0	3,151.5	5,720.5	248.5
Mitchell CC	14,711.5	7,508.5	3,141.0	14,538.0	7,547.5	3,476.0	12,214.0	8,509.5	2,699.0
Montgomery CC	2,253.0	5,111.0	710.0	2,140.5	4,588.5	297.0	2,250.0	4,777.0	544.0
Nash CC	13,558.5	9,067.0	30.0	12,758.0	7,326.5	849.0	16,607.0	6,308.5	93.0
Pamlico CC	1,731.0	1,269.0	30.0	1,698.0	1,487.0	96.0	1,752.0	1,468.0	21.0
Piedmont CC	5,544.0	3,677.0	508.0	5,524.5	3,829.0	83.5	5,711.5	3,741.5	291.0
Pitt CC	30,087.0	13,219.5	4,056.0	25,833.5	11,844.5	3,353.0	24,593.0	11,754.0	2,439.0
Randolph CC	12,462.5	9,919.0	1,771.5	12,535.5	10,374.5	1,528.5	12,338.5	9,472.5	1,221.0
Richmond CC	9,407.0	4,768.5	1,419.0	8,495.5	5,106.0	1,063.0	8,266.0	3,925.0	884.0
Roanoke-Cho. CC	6,863.5	3,264.0	1,167.0	6,403.5	3,110.0	1,154.0	6,344.5	2,805.5	837.0
Robeson CC	11,518.0	9,732.5	814.0	10,416.5	8,103.0	1,722.0	9,491.0	7,653.0	768.0
Rockingham CC	17,656.5	8,195.0	435.0	16,323.5	8,354.0	705.5	15,967.0	7,341.0	626.0
Rowan-Cab. CC	20,769.5	10,274.5	479.0	21,351.0	10,089.0	814.0	17,842.0	10,741.0	261.0
Sampson CC	10,119.5	5,880.5	720.0	9,444.0	4,590.5	1,255.0	7,592.5	4,484.5	1,342.5
Sandhills CC	22,147.0	8,855.5	3,155.0	20,707.5	9,534.5	1,782.5	18,591.5	11,688.0	3,031.5
Southeastern CC	13,186.0	4,992.0	5,742.0	12,484.5	7,231.5	1,878.0	11,696.5	5,792.0	4,683.0
Southwestern CC	11,979.0	4,826.5	2,747.0	9,500.0	4,973.0	2,162.0	7,944.5	3,917.0	1,763.0
Stanly CC	8,983.0	5,620.5	326.0	9,094.0	4,499.0	1,039.0	8,639.0	3,820.0	1,756.5
Surry CC	20,193.5	11,611.0	3,337.0	17,859.5	10,941.5	3,936.0	14,924.0	11,206.0	3,210.0
Tri-County CC	7,687.5	3,535.0	972.5	5,040.5	4,002.5	988.0	5,161.5	4,584.0	894.5
Vance-Granv. CC	12,137.0	14,275.5	159.0	12,100.0	12,421.5	804.0	10,244.5	8,833.0	217.0
Wake TCC	40,252.0	14,982.5	2,195.0	37,539.5	15,031.0	1,380.0	33,961.5	13,528.5	1,707.0
Wayne CC	26,753.0	10,088.0	476.0	18,911.0	13,232.0	729.0	21,870.5	14,196.5	572.0
W. Piedmont CC	18,267.0	8,530.5	5,084.0	14,582.0	10,235.0	5,137.0	12,091.0	9,584.0	3,152.0
Wilkes CC	17,962.5	6,675.5	2,467.0	16,574.5	6,661.0	2,862.5	16,863.0	5,822.0	1,448.0
Wilson Co. TC	7,565.0	7,576.0	1,487.0	8,301.5	8,018.0	1,065.0	6,913.0	8,249.5	4,637.0
TOTAL	1,056,260.0	561,565.0	138,219.5	982,293.0	550,021.0	112,244.5	919,455.5	533,693.5	533,693.5

TABLE 9:
SPACE FACTORS

A space factor is the assignable square feet of a given type of space divided by the student clock hours of instruction generated from that type of space. It is very useful to facilities planners in that it combines into a single factor the concepts of weekly room hours (Tables 3 and 4), percent student station utilization (Table 7), and assignable square feet per student station (Tables 16 and 17). The lower the space factor, the more effectively the space is being utilized for instructional purposes.

Space factors can be specifically defined in two ways. For Table 9, the formula:

$$\text{Space Factor} = \frac{\text{Assignable Square Feet}}{\text{Student Clock Hours}}$$

is used. Note that space factors must relate to a specified type of space. For example, a classroom space factor is calculated by dividing the assignable square feet of classroom space by the student clock hours generated in classrooms.

An alternative formula is:

$$\text{Space Factor} = \frac{\text{Assignable Sq. Ft./Station}}{\text{Avg. Weekly Room Hours X Percent Station Utilization}}$$

Although the two are equivalent, they may produce slightly different results because of the rounding which is inherent in the second formula. The second formula is nevertheless useful in calculating space factor norms.

Classrooms. If the norms cited for Tables 3, 7, and 16 are used for the three factors which comprise the second formula, the result is a space factor of 0.89:

$$\text{Classroom Space Factor} = \frac{16}{30 \text{ X } .60} = 0.89$$

Although this represents a frequently cited norm for classroom space factors, it is considerably lower (i.e., more efficient) than the classroom space factors of most North Carolina institutions. A more relevant norm can be calculated by using the state averages for the three required indices:

$$\text{Classroom Space Factor} = \frac{17}{21.8 \text{ X } .565} = 1.38$$

Class Laboratories. The average assignable square footage per station in class laboratories varies widely among different types of labs. (Page 130 provides some average figures for selected labs.) This variance results in a wide range of space factors and makes the defining of norms difficult.

A useful way to approach this problem is to distinguish between engineering/mechanical class labs and other class labs. Most engineering/mechanical labs require relatively large amounts of space per station because of the equipment that is used. One hundred square feet per station is a reasonable mean for these labs. Using this figure, and the norms cited for Tables 4 and 7, the following space factor is derived:

$$\text{Engineering/Mechanical Lab Space Factor} = \frac{100}{20 \times .80} = 6.25$$

Other kinds of class labs require considerably less space per student station. If 40 square feet is used as the norm, the following space factor is derived:

$$\text{"Other Lab" Space Factor} = \frac{40}{20 \times .80} = 2.5$$

Teaching Areas. Teaching areas represent the sum of classroom and class laboratory space. A space factor norm for teaching areas has not been derived, but the group means can be useful in assessing the extent of utilization.

Table 10 has also been developed to assist institutions in analyzing their utilization data. High, low, and weighted means are reported for average weekly room hours, percent student station utilization, and space factors in both classrooms and class laboratories.

Space Factors

Table 9

INSTITUTION	Classrooms					Laboratories					Teaching Areas				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
Major Research Universities:															
NC State	0.72	0.74	0.75	0.79	0.76	6.11	5.98	5.61	5.89	5.42	1.46	1.50	1.48	1.55	1.47
NC State Vet.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNC-Chapel Hill	0.87	0.91	0.91	0.90	0.94	3.39	3.53	3.23	3.31	3.13	1.14	1.18	1.14	1.14	1.16
UNC-Health Aff.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL	0.79	0.82	0.82	0.84	0.84	5.06	5.10	4.77	4.98	4.64	1.32	1.36	1.33	1.37	1.34
Other Doctoral Universities:															
UNC-Greensboro	0.97	1.04	1.01	1.12	1.26	3.69	3.94	3.96	4.27	7.33	1.31	1.47	1.47	1.54	1.87
Comprehensive Universities:															
Appalachian	1.19	1.01	1.05	1.02	1.10	3.78	3.74	3.95	3.85	3.21	1.59	1.44	1.51	1.30	1.35
East Carolina	1.19	1.24	1.16	0.95	1.00	4.49	4.34	4.44	4.14	4.35	1.75	1.77	1.79	1.52	1.59
ECU-Health Aff.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fayetteville	1.31	1.47	1.42	1.46	1.32	3.51	4.88	4.66	4.51	3.89	1.84	2.16	2.11	2.15	1.92
NC A & T	1.49	1.79	2.10	1.85	1.89	5.22	8.67	8.13	9.24	7.78	2.16	3.04	3.27	2.93	2.97
NC Central	1.63	1.77	2.04	2.10	2.33	7.52	6.71	14.68	8.62	9.75	2.18	2.31	2.85	2.79	3.07
UNC-Charlotte	0.63	0.63	0.67	0.72	0.77	2.49	2.71	2.76	2.79	3.20	1.01	1.07	1.08	1.12	1.20
UNC-Wilmington	0.77	0.77	0.74	0.66	0.72	2.42	2.35	2.64	2.92	3.21	0.99	0.98	0.99	0.94	1.05
West'n Carolina	1.45	1.52	1.37	1.60	1.61	6.80	7.87	7.24	7.77	7.10	2.12	2.25	2.09	2.34	2.30
SUBTOTAL	1.12	1.15	1.18	1.14	1.19	3.95	4.42	4.64	4.66	4.63	1.59	1.70	1.75	1.66	1.73
Gen. Baccalaureate Universities:															
Elizabeth City	1.92	1.50	1.52	1.41	1.30	6.73	7.05	6.01	7.36	7.57	3.08	2.46	2.42	2.44	2.35
Pembroke	1.62	1.51	1.71	1.95	2.05	6.52	4.29	4.69	4.30	4.51	2.16	1.82	2.10	2.32	2.44
UNC-Asheville	1.41	1.04	0.98	0.81	0.84	6.95	6.58	7.23	6.71	4.62	2.10	1.89	1.85	1.32	1.30
Winston-Salem	2.10	2.21	2.15	2.21	2.17	5.67	7.26	8.23	7.06	6.49	2.49	2.69	2.61	2.64	2.60
SUBTOTAL	1.73	1.56	1.58	1.58	1.59	6.55	6.31	6.33	6.17	5.79	2.41	2.18	2.22	2.14	2.15
Specialized Institution:															
NC Sch. of Arts	3.38	2.23	2.60	2.56	2.14	10.11	7.83	6.27	7.28	8.39	7.29	5.64	5.16	5.70	6.05
Community Colleges:															
SUBTOTAL	1.43	1.50	1.56	1.53	1.44	4.52	4.50	4.54	4.50	4.11	2.51	2.58	2.66	2.65	2.49
PRIVATE INSTITUTIONS															
Major Research Universities:															
SUBTOTAL	1.34	1.34	1.35	1.37	1.35	8.65	8.87	5.99	6.78	5.48	1.77	1.78	1.51	1.75	1.75
Gen. Baccalaureate Colleges:															
SUBTOTAL	1.69	1.66	1.67	1.74	1.77	7.32	7.56	8.15	8.58	9.00	2.38	2.36	2.41	2.52	2.57
Junior Colleges:															
SUBTOTAL	1.91	1.82	1.99	1.93	2.00	8.92	9.47	8.64	6.76	7.58	3.02	2.88	3.00	2.81	2.97
GRAND TOTAL	1.29	1.32	1.34	1.34	1.33	4.83	4.89	4.90	4.94	4.69	2.07	2.12	2.15	2.15	2.12

Space Factors

Table 9

INSTITUTION	Classrooms					Laboratories					Teaching Areas				
	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986	1990	1989	1988	1987	1986
Community Colleges:															
Alamance CC	1.11	1.27	0.90	1.12	1.05	3.19	3.42	2.94	3.24	2.78	1.86	2.07	1.67	1.95	1.76
Anson CC	2.33	2.63	2.54	2.87	3.07	5.29	5.60	5.98	5.84	5.42	3.80	4.30	4.39	4.48	4.47
Asheville-Bun. TCC	1.80	1.77	2.49	1.98	1.64	6.75	5.47	5.69	5.09	4.15	2.97	2.73	3.53	3.04	2.55
Beaufort Co. CC	1.42	1.64	2.03	2.16	2.24	5.04	5.99	6.67	7.04	6.52	2.76	3.27	3.82	3.88	3.85
Bladen CC	1.73	1.86	2.39	2.75	1.75	6.30	7.73	6.41	6.49	5.37	3.73	4.53	4.82	5.27	4.01
Blue Ridge CC	1.55	1.77	1.79	1.36	1.34	5.43	6.43	6.20	6.84	5.65	2.96	3.60	3.69	3.56	3.18
Brunswick CC	1.74	2.24	3.72	2.24	2.09	6.23	6.46	8.20	6.26	4.61	2.86	3.35	5.46	3.77	3.20
Caldwell CC & TI	1.72	1.69	1.57	1.56	1.35	6.53	6.51	4.47	4.64	3.84	3.58	3.59	2.77	2.82	2.50
Cape Fear CC	0.89	0.89	0.96	0.97	1.02	3.24	3.31	3.25	3.30	2.88	1.92	1.95	2.04	2.14	2.06
Carteret CC	1.34	1.04	1.09	1.16	1.59	4.53	4.19	4.04	3.60	4.41	2.47	2.18	2.29	2.21	2.57
Catawba Vy. CC	1.33	1.61	1.86	1.71	1.68	3.96	4.45	4.97	4.78	4.53	2.37	2.71	2.95	2.92	2.90
C. Carolina CC	1.54	1.49	1.35	1.35	1.07	4.64	4.92	4.91	4.68	3.59	2.85	2.83	2.71	2.61	2.11
C. Piedmont CC	0.90	0.91	0.92	0.81	0.72	3.09	2.48	2.70	2.39	2.18	1.59	1.45	1.51	1.33	1.23
Cleveland CC	2.10	2.25	2.15	2.93	2.30	5.60	5.49	5.30	6.12	6.65	3.54	3.62	3.55	4.55	4.17
Coastal Car. CC	0.82	0.83	0.86	0.95	0.81	3.65	3.44	4.15	4.57	3.93	1.76	1.72	1.77	1.95	1.81
Col. Albemarle	1.24	1.26	1.37	1.58	1.64	5.45	5.34	5.56	6.12	5.69	2.55	2.61	3.02	3.28	3.25
Craven CC	1.55	1.19	1.43	1.11	1.32	3.36	2.72	2.42	2.26	2.15	2.24	1.78	1.88	1.59	1.71
Davidson Co. CC	1.59	1.49	1.66	1.97	1.42	4.64	4.79	5.11	6.28	4.60	2.59	2.49	2.73	3.32	2.38
Durham TCC	0.91	1.03	1.04	1.01	1.17	3.75	3.75	3.70	3.57	3.55	1.79	1.87	1.91	1.94	2.12
Edgecombe CC	2.61	2.85	2.80	5.35	2.58	5.39	6.13	6.23	11.45	8.51	3.71	4.24	4.07	7.66	4.54
Fayettev'le TCC	1.18	1.13	1.12	1.14	1.02	3.96	4.02	3.91	4.04	3.64	1.96	1.81	1.78	1.85	1.64
Forsyth TCC	1.57	1.66	1.61	2.00	1.75	5.00	4.76	4.81	5.05	4.99	2.68	2.74	2.64	3.10	2.85
Gaston Col.	1.50	1.62	1.63	1.76	1.67	6.75	6.66	6.08	6.36	7.14	2.80	2.90	2.96	3.17	3.24
Guilford TCC	1.25	1.30	1.35	1.38	1.31	4.01	4.44	4.71	3.66	3.68	2.12	2.28	2.50	2.29	2.23
Halifax CC	1.85	1.80	2.14	2.59	1.88	6.49	4.98	4.97	7.56	6.18	3.26	3.05	3.27	4.70	3.50
Haywood CC	1.65	1.47	1.47	1.96	1.66	5.19	4.27	4.11	4.28	3.97	3.75	3.31	3.18	3.52	3.17
Isothermal CC	1.80	2.25	2.16	2.03	2.48	4.48	4.52	3.71	4.40	3.94	2.83	3.21	2.86	2.97	3.17
J. Sprunt CC	2.04	2.15	2.16	2.11	2.29	6.12	7.45	7.96	7.95	7.68	3.74	4.22	4.40	4.66	4.80
Johnston CC	1.40	1.19	1.00	1.02	1.59	5.33	5.58	5.09	5.35	4.97	2.59	2.55	2.29	2.36	2.63
Lenoir CC	2.18	2.14	1.60	1.68	1.79	3.53	3.71	3.92	3.57	4.23	2.71	2.72	2.43	2.44	2.72
Martin CC	2.59	3.11	3.89	3.82	4.01	6.02	9.02	9.45	8.12	8.95	4.74	6.15	6.31	5.84	6.45
Mayland CC	2.04	1.45	1.89	1.72	1.55	3.77	4.78	4.64	3.73	3.89	2.67	2.41	3.19	2.67	2.58
McDowell TCC	4.05	3.45	4.91	4.92	3.26	4.23	4.65	4.78	4.82	3.31	4.17	4.16	4.83	4.86	3.30
Mitchell CC	2.12	2.14	2.79	2.94	1.97	5.71	5.58	4.71	5.82	4.21	3.34	3.32	3.58	3.98	2.85
Montgomery CC	2.77	2.80	2.66	2.24	2.11	3.84	4.81	4.68	5.21	4.71	3.51	4.17	4.03	4.07	3.78
Nash CC	2.15	2.19	2.04	2.59	2.93	3.88	4.93	5.30	4.31	4.76	2.84	3.19	2.93	3.22	3.65
Pamlico CC	2.52	2.57	2.49	3.24	3.35	7.78	6.64	6.72	8.89	6.95	4.74	4.47	4.42	5.79	5.23
Piedmont CC	2.26	2.26	2.32	2.35	2.13	5.55	5.33	5.70	6.17	6.02	3.57	3.52	3.66	3.96	3.88
Pitt CC	0.83	0.81	0.91	0.95	1.22	4.03	3.52	3.42	3.60	3.26	1.81	1.66	1.72	1.76	1.98
Randolph CC	1.93	1.92	1.96	1.95	2.11	5.06	4.83	5.26	5.05	4.58	3.32	3.24	3.39	3.43	3.39
Richmond CC	1.85	2.06	1.91	1.81	1.60	7.73	6.96	8.52	6.53	5.88	3.83	3.90	4.04	3.63	3.28
Roanoke-Cho. CC	2.08	2.33	2.58	2.64	2.46	6.49	6.91	6.93	6.66	4.83	3.50	3.82	3.91	4.03	3.48
Robeson CC	1.76	2.26	3.33	2.32	1.78	4.46	4.96	6.81	5.73	5.62	3.00	3.44	4.88	3.69	3.34
Rockingham CC	1.79	2.05	2.13	1.40	1.39	6.64	6.16	6.81	6.01	5.79	3.32	3.44	3.60	2.91	2.66
Rowan-Cab. CC	1.62	1.47	1.71	1.70	1.53	3.96	4.18	4.21	4.32	4.39	2.40	2.34	2.65	2.64	2.46
Sampson CC	1.29	1.28	1.70	1.67	1.14	4.53	5.81	5.75	5.20	3.10	2.48	2.76	3.21	2.92	2.02
Sandhills CC	1.59	1.40	1.35	1.39	1.17	4.96	4.70	3.84	4.55	4.06	2.55	2.44	2.31	2.54	2.21
Southeastern CC	1.67	1.76	1.88	1.71	1.78	7.85	4.79	5.49	5.56	4.30	3.36	2.87	3.07	2.99	2.74
Southwestern CC	1.98	2.66	3.13	2.43	2.13	5.67	6.64	8.55	5.64	6.09	3.04	4.03	4.92	3.76	3.63
Stanly CC	1.69	1.81	1.85	2.32	1.78	4.51	5.56	5.75	5.45	4.74	2.78	3.05	3.05	3.57	3.25
Surry CC	1.03	1.21	1.48	1.43	1.38	3.06	3.16	2.85	2.83	2.57	1.77	1.95	2.07	2.03	1.91
Tri-County CC	2.29	3.49	3.07	2.43	2.12	8.80	7.77	7.26	8.77	6.84	4.34	5.38	5.04	4.93	4.32
Vance-Granv. CC	1.75	1.76	2.07	1.49	1.72	2.65	3.04	4.28	3.77	3.31	2.23	2.41	3.09	2.45	2.51
Wake TCC	1.18	1.34	1.41	0.95	0.94	3.71	3.76	3.97	3.94	3.58	1.87	2.03	2.14	1.81	1.78
Wayne CC	1.47	1.86	1.21	1.45	1.54	5.20	4.39	3.57	3.95	3.69	2.49	2.90	2.14	2.51	2.47
W. Piedmont CC	1.22	1.45	1.14	1.24	1.37	3.26	2.78	2.97	3.52	3.50	1.87	2.00	1.95	2.20	2.33
Wilkes CC	1.24	1.41	1.32	1.62	1.70	5.34	5.35	4.61	4.43	4.37	2.35	2.54	2.16	2.48	2.53
Wilson Co. TC	2.01	1.85	1.80	2.07	2.30	5.79	5.38	4.95	5.60	4.78	3.90	3.58	3.51	3.90	3.64
TOTAL	1.43	1.50	1.56	1.53	1.44	4.52	4.50	4.54	4.50	4.11	2.51	2.58	2.66	2.65	2.49

Table 10

Range of Selected Space Utilization Indices for Classrooms

INSTITUTION	Room Hours Per Week			% Student Station Utilization			Space Factor		
	High	Mean	Low	High	Mean	Low	High	Mean	Low
Major Research Universities:	31.5	28.9	26.4	64.5	63.5	62.6	0.87	0.79	0.72
Other Doctoral Universities:*	26.5	26.5	26.5	63.6	63.6	63.6	0.97	0.97	0.97
Comprehensive Universities:	36.1	23.7	16.0	59.9	56.8	50.7	1.63	1.12	0.63
Gen. Baccalaureate Universities:	22.3	18.3	15.0	51.7	48.0	43.8	2.10	1.73	1.41
Specialized Institution:*	10.0	10.0	10.0	58.4	58.4	58.4	3.38	3.38	3.38
Community Colleges:	35.1	22.1	8.6	72.7	58.0	38.4	4.05	1.43	0.82
PRIVATE INSTITUTIONS									
Major Research Universities:	20.0	19.8	19.8	52.9	50.3	48.9	1.37	1.34	1.29
Gen. Baccalaureate Colleges:	32.7	18.0	10.7	74.4	49.4	33.2	3.19	1.69	0.83
Junior Colleges:	18.1	15.9	14.3	73.6	58.1	50.3	2.20	1.91	1.55
STATE RANGE	36.1	21.8	8.6	74.4	56.5	33.2	4.05	1.29	0.63
TYPICAL STANDARD		30.0			60.0			0.83-0.90	

*Only one institution in this category

Range of Selected Space Utilization Indices for Class Laboratories

Table 10

INSTITUTION	Room Hours Per Week			% Student Station Utilization			Space Factor		
	High	Mean	Low	High	Mean	Low	High	Mean	Low
Major Research Universities:	14.7	11.3	10.0	73.3	64.7	54.4	6.11	5.06	3.39
Other Doctoral Universities:*	14.3	14.3	14.3	58.5	58.5	58.5	3.69	3.69	3.69
Comprehensive Universities:	20.0	13.9	6.0	63.3	54.8	40.4	7.52	3.95	2.42
Gen. Baccalaureate Universities:	8.6	7.4	6.1	57.3	51.9	49.1	6.95	6.55	5.67
Specialized Institution:*	9.6	9.6	9.6	60.9	60.9	60.9	10.11	10.11	10.11
Community Colleges:	29.8	18.7	9.6	83.9	57.6	40.7	8.80	4.52	2.65
PRIVATE INSTITUTIONS									
Major Research Universities:	6.3	4.7	2.5	74.2	71.8	61.7	22.35	8.65	5.97
Gen. Baccalaureate Colleges:	21.6	8.0	2.8	94.7	49.1	13.5	61.49	7.32	2.47
Junior Colleges:	10.0	7.3	5.2	57.4	49.8	45.8	14.77	8.92	5.87
STATE RANGE	29.8	14.9	2.5	94.7	57.0	13.5	61.49	4.83	2.42
TYPICAL STANDARD		20.0			80.0			3.00-5.00	

*Only one institution in this category

TABLE 11:
SPACE CRITERIA

The Higher Education Facilities Planning and Management Manuals, published by the Western Interstate Commission for Higher Education, provide one of the best sources of information on space criteria. Since all higher education institutions have been provided copies of the manuals, only highlights of space criteria will be provided in Table 11. It is recommended that the manuals be used for further information or assessments until updated criteria can be developed from a new national survey of higher education facilities. An updated Facilities Inventory and Classification Manual is currently being developed by a national work group under the sponsorship of NCES. In addition, this commission is always ready to respond to queries on facilities matters.

Space Criteria

Table 11

CLASSROOMS:	Average	Range
Room Utilization Ratio	30 hours/week	20-32 hours/week
Station Occupancy Ratio	65%	45%-85%
Assignable Square Feet Per Student Station	18 ASF	10-25 ASF

LABORATORIES:	Average	Range
Room Utilization Ratio, Lower Division	24 hours	22-26 hours
Room Utilization Ratio, Upper Division	16 hours	14-18 hours
Station Occupancy Ratio, Lower Division	80%	75%-85%
Station Occupancy Ratio, Upper Division	60%	55%-65%

Assignable Square Feet Per Station

Criteria vary from 15 to 150 ASF depending on academic program and course levels. Details are shown in Table 53 of Higher Education Facilities Planning and Management Manual Two. Some examples are:

Biology, general	30-40 ASF	Forestry	30-40 ASF
Fine Arts, general	30-50 ASF	Architecture	40-50 ASF
Letters	15-25 ASF	Engineering, general	40-70 ASF
Accounting	20-35 ASF	Business and Management	20-30 ASF
Automotive Technology	100-150 ASF	Sculpture, Ceramics	50-80 ASF
Nursing, practical	25-50 ASF	Music (Liberal Arts)	15-20 ASF

LIBRARIES:

Stack Unit Floor Area Criteria

Type of Stack Area	Average Bound Volumes per Assignable Square Foot	Average Assignable Square Feet per Volume
Open-Stack Reading Rooms	8 - 10	0.125 - 0.10
Open Stacks	10 - 12	0.10 - 0.083
Closed Stacks	12 - 15	0.083 - 0.067
High Density Compact Storage	40 - 60	0.025 - 0.017

Table 11

LIBRARIES (Continued):

Reading Stations Unit Floor Area Criteria

Type of Station	Assignable Square Feet per Station
Open Tables and Chairs	20 - 25
Small Carrels	25 - 30
Research Carrels (Open)	30 - 35
Enclosed Studies (Faculty)	40 - 70
Microfilm and Audio/Visual Carrels	35 - 45
Typing Stations (Multiple Stations in an Enclosed Room)	25 - 35
Reading Lounge	25 - 30
Conference Rooms, Seminar Rooms and Small-Group Studies	20 - 25

Staff and Service Space Unit Floor Area Criteria

As a general guideline, the total staff and service facilities of a library may be expected to range from 25 percent (for a smaller library) to 18 percent (for a larger library) of the combined stack and reader floor area.

OFFICES:

ASSIGNABLE SQUARE FEET CRITERIA FOR OFFICE STATIONS

	Academic Departments		Nonacademic Departments	
Personnel Category	Single Occupancy ASF/Station	Multiple Occupancy ASF/Station	Single Occupancy ASF/Station	Multiple Occupancy ASF/Station
Administrator - President	N/A	N/A	300±50	N/A
Vice-Pres.	N/A	N/A	240±30	N/A
Dean	240±20	N/A	N/A	N/A
Chairman	180±20	N/A	N/A	N/A
Professional	120±10	90±10	120±20	90±10
Secretarial-Clerical	120±10	90±20	120±40	90±20
Graduate Assistants	N/A	50±10	N/A	N/A

Table 11

OFFICES (Continued):

ASSIGNABLE SQUARE FEET CRITERIA FOR CONFERENCE ROOM AND CONFERENCE ROOM SERVICE FACILITIES

Stations	Conference Room Assignable Square Feet Per Station Assignable Square Feet Per Station	Conference Room Service Space in Assignable Square Feet
10	25	30±5
15	22	30±5
20	20	30±5
25	20	30±5
30	15	30±5

GENERAL USE FACILITIES UNIT FLOOR AREA CRITERIA:

Type of Facility	Item	Assignable Square Feet
1. Food Facilities	1. Dining Station - Family Size	12.5
	2. Dining Station - Cafeteria	11.0
	3. Dining Station - Snack Bar	10.0
2. Lounge Facilities	1. Station - Commons Room	20
3. Recreation Facilities	1. Lockers	6.75
	2. Meeting Room	20 ASF/station
	3. Billiards	320 ASF/Table
	4. Bowling Alley	575 ASF/Lane
	5. Kitchenette	20
	6. Table Tennis	345 ASF/Table
4. Residential Facilities	1. Single Occupancy*	110 - 130
	2. Double Occupancy*	190 - 230
	3. Married - One Bedroom	570 - 650
	4. Married - Two Bedroom	620 - 750

*Toilets, washrooms, showers, and recreational space are not included.

TABLE 12:
ENROLLMENTS

The two primary measures of student populations are full-time equivalent (FTE) enrollment and headcount enrollment. FTE enrollment considers part-time students as fractions of full-time students through the use of conversion formulas which are described below. Headcount enrollment makes no distinction between full-time and part-time students.

FTE enrollments are generally more relevant than headcount enrollments in making space utilization assessments. Table 12, therefore, reports only FTE enrollments. This section, however, does describe some data trends in headcount enrollment.

FTE Enrollment

FTE enrollment as used in this study is based on the fall enrollment. It is defined as the number of full-time students (those carrying at least 75 percent of the normal credit hour load) plus the equivalent number of students enrolled for less than 75 percent of the normal full-time load. In obtaining the undergraduate FTE enrollment figures for the University of North Carolina, a student carrying 12 or more credit hours is considered a full-time student. In those instances where a student takes less than 12 hours, the following method of calculating FTE student is used: a student with a load of nine through 11 credit hours is the equivalent of 3/4 FTE; the student with a six through eight credit hour load is the equivalent of 1/2 FTE; and a student with less than six credit hours is the equivalent of 1/4 FTE. In obtaining graduate FTE enrollment figures for the University of North Carolina, a student carrying nine or more credit hours is considered a full-time student. In those instances where a graduate student takes less than nine credit hours, the following method of equating is used: a student with a load of six through eight credit hours is the equivalent of 3/4 FTE; the student with a three through five credit hour load is the equivalent of 1/2 FTE; and a student with less than three credit hours is the equivalent of 1/4 FTE.

The Department of Community Colleges now reports FTE based on its official "class membership" (contact) hour formula for calculation. Sixteen class membership hours per week for 11 weeks equates to one fall quarter FTE. FTE fractions are thus based on a division of total class membership hours (contact hours per week times eleven weeks) by (16 x 11) or 176. As with Table 2, previous year figures have also been converted on the basis of this adjusted formula.

For the community colleges, Table 12 lists only on-campus credit enrollments for 1986-1989. This means that instruction which took place in facilities not on a community college's campus would not be considered in determining the enrollments listed. For 1990, the on-campus FTE is provided, but as a means of comparison, the total FTE (representing both on-campus and off-campus instruction) is also listed for all institutions of the Community

College System. Since private colleges and universities and the constituent institutions of the University of North Carolina do not conduct a significant number of instructional courses off-campus, the total FTE enrollments which are listed may also be considered as approximating these institutions' campus-based enrollments.

Trends in Headcount Enrollments*

Total enrollment at institutions of higher education in the United States reached a record high of nearly 14 million students in fall 1990. The overall increase of 3.4 percent matched the 1989 increase, the largest since fall 1980. Public 2-year institutions captured the major share of the enrollment increase with a growth of nearly 7 percent over fall 1989. Increases in full-time and part-time enrollment of both sexes contributed to the rise. Four-year institutions experienced slower growth (2 percent).

Women outpaced men in the 1990 enrollment growth by 3.8 percent to 2.9 percent. For the third consecutive year, women outnumbered men on the nation's campuses by more than one million students and had a 55 percent share of the total enrollment, a slight increase over fall 1989. Undergraduate enrollment rose almost 4 percent, accounting for nearly all of the enrollment growth at institutions of higher learning last fall.

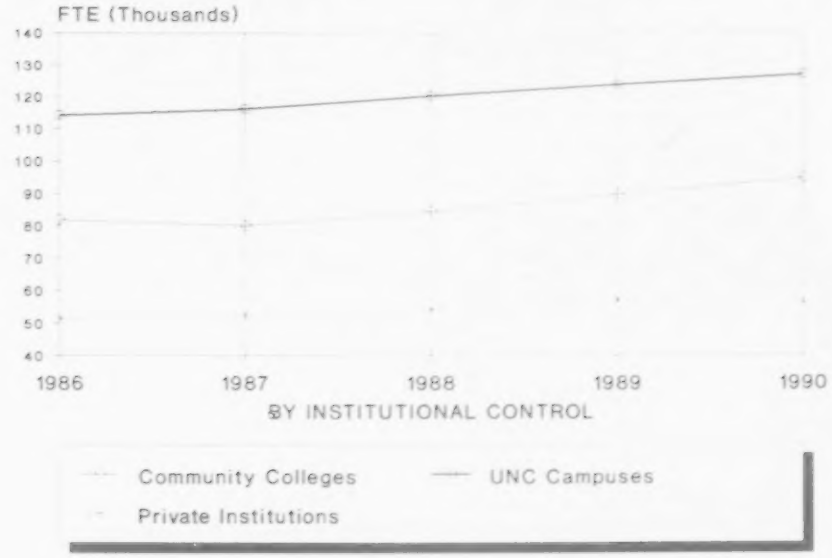
The following table indicates the annual percentage changes, for public and private institutions, in national headcount enrollments for the last five years:

	Overall Change	Public Institutions	Private Institutions
1986	1.2	1.3	1.0
1987	1.0	1.0	1.0
1988	2.4	3.5	-1.2
1989	3.4	3.9	1.5
1990	3.4	4.0	3.0

North Carolina institutions experienced a headcount enrollment increase of 2.3 percent in 1990. Public outpaced private institution growth by 2.7 percent to 1.2 percent. Enrollments for both men and women increased by 2.3 percent. Continuing last year's new trend, North Carolina's 1990 full-time enrollment growth (2.8%) was higher than the part-time increase (.7%).

*National headcount figures presented here are based on the preliminary Early National Estimates Survey (December 1990) of a sample of 639 institutions of higher education conducted by the National Center for Education Statistics. Results of the final NCES 1990 survey of a universe of more than 3,598 institutions were not available in time for this publication.

FTE ENROLLMENTS



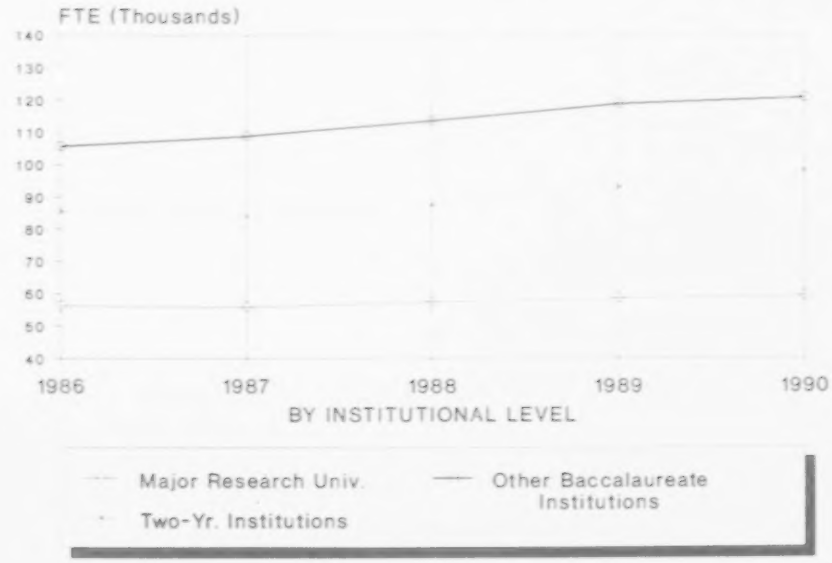


Table 12

FTE Enrollments
Summary

INSTITUTION	1990	1989	1988	1987	1986
Major Research Universities:	43,041	42,352	42,065	40,564	40,994
Other Doctoral Universities:	10,455	10,200	9,692	9,169	8,889
Comprehensive Universities:	63,710	61,621	59,225	57,538	55,670
Gen. Baccalaureate Universities:	9,161	9,096	8,702	8,381	8,159
Specialized Institution:	462	482	488	462	460
Community Colleges:	94,624	89,681	84,338	80,113	81,889
		PRIVATE INSTITUTIONS			
Major Research Universities:	16,213	15,691	15,496	15,255	15,245
Gen. Baccalaureate Colleges:	36,789	36,538	35,620	33,296	32,457
Junior Colleges:	3,195	3,362	3,240	3,832	3,657
GRAND TOTAL	277,650	269,023	258,866	248,610	247,420

FTE Enrollments
Institutional

Table 12

INSTITUTION	1990	1989	1988	1987	1986
Major Research Univ.:					
NC State	21,392	20,859	20,438	19,554	20,014
NC State Vet.	275	268	278	276	283
UNC-Chapel Hill	18,161	18,138	18,293	17,607	17,582
UNC-Health Aff.	3,213	3,087	3,056	3,127	3,115
SUBTOTAL	43,041	42,352	42,065	40,564	40,994
Other Doctoral Univ.:					
UNC-Greensboro	10,455	10,200	9,692	9,169	8,889
Comprehensive Univ.:					
Appalachian	10,843	10,774	10,444	10,357	9,780
East Carolina	13,874	13,487	13,202	12,599	12,031
ECU-Health Aff.	1,152	1,017	953	931	1,131
Fayetteville	2,856	2,606	2,338	2,316	2,583
NC A & T	5,841	5,864	5,438	5,473	5,388
NC Central	4,799	4,627	4,383	4,334	4,231
UNC-Charlotte	12,335	11,279	11,014	10,216	9,866
UNC-Wilmington	6,446	6,485	6,077	6,035	5,424
West'n Carolina	5,564	5,482	5,376	5,277	5,236
SUBTOTAL	63,710	61,621	59,225	57,538	55,670
Gen. Baccalaureate Univ.:					
Elizabeth City	1,674	1,641	1,608	1,537	1,545
Pembroke	2,690	2,652	2,435	2,249	2,109
UNC-Asheville	2,599	2,555	2,440	2,346	2,198
Winston-Salem	2,198	2,248	2,219	2,249	2,307
SUBTOTAL	9,161	9,096	8,702	8,381	8,159
Specialized Inst.:					
NC Sch. of Arts	462	482	488	462	460

FTE Enrollments
Institutional

Table 12

INSTITUTION	1990*	1989	1988	1987	1986
Community Colleges:					
Alamance CC	2,047 (2,358)	1,896	1,712	1,535	1,697
Anson CC	297 (529)	287	281	317	282
Ashev'le-Bun. TCC	2,607 (2,682)	2,365	2,109	2,196	2,162
Beaufort Co. CC	990 (1,129)	937	859	810	842
Bladen CC	509 (647)	481	416	419	463
Blue Ridge CC	1,204 (1,249)	1,066	872	889	949
Brunswick CC	609 (609)	640	528	466	526
Caldwell CC & TI	1,339 (1,773)	1,357	1,357	1,350	1,361
Cape Fear CC	2,379 (2,394)	2,163	2,080	1,976	2,145
Carteret CC	1,088 (1,219)	974	967	1,000	914
Catawba Vy. CC	2,179 (2,500)	2,092	1,716	1,537	1,647
C. Carolina CC	1,719 (2,541)	1,654	1,601	1,609	1,584
C. Piedmont CC	9,214 (10,283)	8,474	8,185	7,972	7,918
Cleveland CC	856 (1,108)	796	751	727	776
Coastal Car. CC	2,642 (2,864)	2,704	2,510	2,348	2,319
Col. Albemarle	1,329 (1,397)	1,113	961	937	976
Craven CC	1,340 (1,723)	1,189	1,055	997	1,046
Davidson Co. CC	1,797 (2,024)	1,760	1,696	1,686	1,744
Durham TCC	2,846 (3,136)	2,615	2,552	2,189	2,097
Edgecombe CC	976 (1,265)	817	773	689	742
Fayettev'le TCC	4,214 (4,519)	4,521	4,226	4,065	4,259
Forsyth TCC	3,030 (3,356)	3,128	2,786	2,485	2,649
Gaston Col.	2,899 (3,073)	2,594	2,573	2,226	2,436
Guilford TCC	5,375 (5,398)	4,966	4,571	4,447	4,154
Halifax CC	803 (981)	749	751	652	724
Haywood CC	1,217 (1,234)	1,129	1,069	1,098	1,126
Isothermal CC	1,358 (1,407)	1,288	1,316	1,300	1,493
J. Sprunt CC	632 (938)	609	609	594	630
Johnston CC	1,680 (2,279)	1,584	1,545	1,363	1,362
Lenoir CC	1,632 (1,922)	1,674	1,764	1,640	1,587

*Figures in parentheses represent total FTE enrollments (both on and off campus).

See pages 69-70.

FTE Enrollments
Institutional

Table 12

INSTITUTION	1990*		1989	1988	1987	1986
Community Colleges:						
Martin CC	596	(636)	536	526	604	548
Mayland CC	569	(731)	563	419	489	447
McDowell TCC	560	(608)	535	520	515	595
Mitchell CC	1,124	(1,190)	1,135	1,075	1,034	1,018
Montgomery CC	408	(529)	363	350	376	345
Nash CC	1,017	(1,037)	921	876	855	909
Pamlico CC	96	(96)	121	144	105	124
Piedmont CC	509	(957)	424	423	416	408
Pitt CC	2,612	(3,111)	2,273	2,205	2,169	2,017
Randolph CC	1,296	(1,306)	1,340	1,200	1,130	1,183
Richmond CC	871	(945)	846	788	809	899
Roanoke-Cho. CC	659	(685)	623	580	558	468
Robeson CC	1,178	(1,323)	1,118	1,119	1,044	947
Rockingham CC	1,473	(1,479)	1,415	1,267	1,150	1,284
Rowan-Cab. CC	1,523	(2,041)	1,572	1,488	1,471	1,517
Sampson CC	812	(826)	784	789	721	790
Sandhills CC	2,485	(2,488)	2,323	1,993	1,864	1,751
Southeastern CC	1,228	(1,493)	1,303	1,181	1,095	1,262
Southwestern CC	957	(1,218)	878	849	814	925
Stanly CC	820	(1,124)	831	767	767	636
Surry CC	1,909	(2,210)	1,733	1,591	1,450	1,572
Tri-County CC	609	(609)	590	604	509	506
Vance-Granv. CC	1,450	(1,915)	1,307	1,197	1,152	1,139
Wake TCC	2,997	(4,003)	2,872	2,677	2,614	2,749
Wayne CC	1,821	(2,101)	1,754	1,713	1,566	1,642
W. Piedmont CC	1,787	(1,935)	1,540	1,645	1,402	1,391
Wilkes CC	1,524	(1,666)	1,433	1,240	1,152	1,215
Wilson Co. TC	927	(1,021)	926	921	763	992
TOTAL	94,624	(107,820)	89,681	84,338	80,113	81,889

*Figures in parentheses represent total FTE enrollments (both on and off campus).
See pages 69-70.

FTE Enrollments
Institutional

Table 12

INSTITUTION	1990	1989	1988	1987	1986
			PRIVATE INSTITUTIONS		
Major Research Universities:					
Duke	10,144	9,790	9,738	9,497	9,631
Duke Med. Ctr.	794	760	645	738	666
Wake Forest	4,846	4,722	4,695	4,594	4,535
Bowman Gray	429	419	418	426	413
SUBTOTAL	16,213	15,691	15,496	15,255	15,245
Gen. Baccalaureate Colleges:					
Barber Scotia	470	432	420	377	376
Barton	1,414	1,270	1,200	1,117	1,136
Belmont Abbey	942	954	967	953	806
Bennett	578	567	609	547	572
Campbell	2,547	2,522	2,700	2,661	2,636
Catawba	904	959	958	894	817
Davidson	1,502	1,423	1,415	1,407	1,390
Elon	3,014	3,084	3,057	2,937	2,826
Gardner-Webb	1,756	1,831	1,730	1,552	1,586
Greensboro	942	929	842	655	510
Guilford	1,518	1,457	1,531	1,502	1,465
High Point	2,146	1,899	1,804	1,492	1,287
Johnson C. Smith	1,167	1,286	1,187	1,159	1,118
Lees-McRae	850	825	781	-	-
Lenoir-Rhyne	1,500	1,518	1,481	1,424	1,403
Livingstone	677	574	548	642	720
Mars Hill	1,187	1,203	1,207	1,186	1,186
Meredith	1,977	1,924	1,859	1,758	1,697

FTE Enrollments
Institutional

Table 12

INSTITUTION	1990	1989	1988	1987	1986
Gen. Baccalaureate (Continued)					
Methodist	1,145	1,324	1,329	1,204	1,096
Montreat-Anderson	384	409	375	337	367
Mt. Olive	512	506	491	510	479
N.C. Wesleyan	639	657	659	686	592
Pfeiffer	833	793	754	757	780
Piedmont Bible	273	258	201	182	248
Queens	1,089	1,032	898	830	847
St. Andrews Presby.	703	771	772	796	717
St. Augustine's	1,840	1,831	1,752	1,590	1,614
Salem	575	679	649	658	614
Shaw	1,794	1,590	1,482	1,570	1,372
Warren Wilson	569	551	522	513	492
Wingate	1,342	1,480	1,440	1,400	1,447
SUBTOTAL	36,789	36,538	35,620	33,296	32,457
Junior Colleges:					
Brevard	762	743	649	586	578
Chowan	878	1,000	967	909	877
Lees-McRae	-	-	-	756	677
Louisburg	829	837	839	814	773
Peace	425	506	524	488	478
St. Mary's	301	276	261	279	274
SUBTOTAL	3,195	3,362	3,240	3,832	3,657
TOTAL	56,197	55,591	54,356	52,383	51,359

North Area Learning Center, Central Piedmont Community College

For many years Central Piedmont Community College has rented or leased facilities outside of central Charlotte to serve as satellite centers for delivering instruction and student services to outer Mecklenburg County residents. The concept and location proved so popular in the northern section, where a facility has been rented since 1980, that CPCC has now developed a long range plan for a multi-building northern campus. The institution recently purchased 20 acres of land through the county for this purpose.

The first emplacement is the new $1.2 million North Area Learning Center. This 10,500-square foot facility currently houses nine classrooms, a computer laboratory, laboratory space for individualized instruction, and office areas. A criminal justice regional center is tentatively planned for this new site, with additional facilities to be constructed according to central campus and northern resident needs.

Interior Space Characteristics

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TABLE 13:
NET-TO-GROSS RATIO

The net-to-gross ratio is the net assignable area of a building or group of buildings divided by the gross area. It is generally used as a measure of the efficiency of a building: the higher the net-to-gross ratio, the more space that can be assigned to the various programs for which the building was intended.

Simply stated, the gross area of a building is the sum of the floor areas of the outside faces of its exterior walls for all of the building's stories (or areas that have floor surfaces). A building's assignable area is the sum of all areas on all floors which are assigned to, or available for assignment to, an occupant or specific use. More specifically, it is the building's gross area less its custodial, circulation, mechanical, and structural areas.

Beginning in 1985, parking deck space was coded as nonassignable. This change in policy, while providing a truer picture of interior space characteristics, has the effect of decreasing the net-to-gross ratios of institutions with parking decks because gross area figures include these structures. The following institutions have parking decks (gross areas are indicated in parentheses): Central Piedmont Community College (555,136 sq. ft.), North Carolina State University (779,148 sq. ft.), University of North Carolina at Chapel Hill-Health Affairs (522,938 sq. ft.), University of North Carolina at Charlotte (100,295). There are three parking decks at the private major research universities, representing a total gross area of 1,219,839 sq. ft. In addition, the lower level of the octagon section of Duncan Hall at Appalachian State University (5,000 sq. ft.) is a parking deck and is, therefore, considered nonassignable. Adjusted net-to-gross figures for these institutions, which eliminate parking decks entirely and thus provide a more accurate index of campus space efficiency, are as follows: Central Piedmont Community College (67.4%), North Carolina State University (65.2%), University of North Carolina at Chapel Hill-Health Affairs (58.6%), University of North Carolina at Charlotte (67.8%), private major research universities (64.7%), Appalachian State University (69.0%).

If a renovation can increase the amount of assignable space in a building, then part of the cost of the renovation can be justified purely on a cost savings basis. Tables 19 and 20 suggest that new construction costs average $79 per gross square foot. Table 13 indicates that the average net-to-gross ratio is .65. This means that new construction costs are approximately $122 per assignable square foot.

$$\text{CONSTRUCTION COST/ASF} = \frac{\text{CONSTRUCTION COST/GSF}}{\text{NET-TO-GROSS RATIO}}$$

$$\text{CONSTRUCTION COST/ASF} = \frac{\$79}{.65} = \$122$$

Thus every assignable square foot created through a renovation can be viewed as saving the institution $122 in new construction costs.

Net-to-Gross Ratio

Table 13

INSTITUTION	Gross Sq. Ft.	Assignable Sq. Ft.	Net : Gross % 1990	1989	1988	1987	1986
Major Research Universities:							
NC State*	7,260,459	4,224,775	58.2	62.3	62.4	62.8	62.0
NC State Vet.	372,607	222,771	59.8	59.8	59.8	59.8	60.0
UNC-Chapel Hill	6,848,853	4,533,609	66.2	66.1	66.2	66.2	66.7
UNC-Health Aff.*	2,850,067	1,364,722	47.9	47.3	47.2	47.1	47.1
SUBTOTAL	17,331,986	10,345,877	59.7	61.4	61.5	61.7	61.5
Other Doctoral Universities:							
UNC-Greensboro	2,813,867	1,796,719	63.9	63.9	64.8	65.1	64.9
Comprehensive Universities:							
Appalachian*	2,900,880	1,996,786	68.8	69.4	69.5	69.7	69.4
East Carolina	2,996,802	2,111,709	70.5	70.5	70.2	70.8	70.8
ECU-Health Aff.	621,676	387,357	62.3	62.1	62.3	63.1	63.1
Fayetteville	841,418	556,573	66.1	66.1	66.1	66.9	66.0
NC A & T	2,065,531	1,429,768	69.2	69.2	69.2	69.3	69.8
NC Central	1,551,131	1,013,452	65.3	65.3	65.3	65.3	65.2
UNC-Charlotte*	2,384,326	1,548,767	65.0	64.9	64.8	67.8	67.2
UNC-Wilmington	1,434,095	983,391	68.6	68.8	67.9	68.1	66.9
West'n Carolina	2,346,644	1,599,169	68.1	68.5	68.2	68.3	68.3
SUBTOTAL	17,142,503	11,626,972	67.8	68.0	67.8	68.4	68.2
Gen. Baccalaureate Universities:							
Elizabeth City	786,562	553,705	70.4	70.9	70.9	71.1	72.5
Pembroke	705,283	478,845	67.9	67.7	67.7	68.3	69.4
UNC-Asheville	749,824	497,753	66.4	66.8	67.0	68.6	70.3
Winston-Salem	919,988	614,276	66.8	67.9	67.8	67.8	69.0
SUBTOTAL	3,161,657	2,144,579	67.8	68.4	68.4	68.9	70.2

*Beginning in 1985, the net-to-gross ratios for these institutions were affected by a change in the way parking decks were reported. See page 81.

Net-to-Gross Ratio

Table 13

INSTITUTION	Gross Sq. Ft.	Assignable Sq. Ft.	Net : Gross % 1990	1989	1988	1987	1986
Specialized Institution:							
NC Sch. of Arts	610,533	417,471	68.4	68.5	68.5	69.5	69.8
Teaching Hospitals:							
UNC Hosp. at C.H.	1,259,992	717,100	56.9	57.4	57.1	56.2	57.8
Community Colleges:							
SUBTOTAL*	12,708,417	8,756,379	68.9	69.4	69.5	69.6	70.7
		PRIVATE INSTITUTIONS					
Major Research Universities:							
SUBTOTAL*	13,040,604	7,646,604	58.6	58.5	58.1	59.5	59.2
Gen. Baccalaureate Colleges:							
SUBTOTAL	15,689,956	11,118,551	70.9	70.9	70.8	70.7	70.7
Junior Colleges:							
SUBTOTAL	1,870,621	1,308,024	69.9	70.0	70.2	70.5	70.1
GRAND TOTAL	85,630,136	55,878,276	65.3	65.7	65.7	66.0	66.1

*Beginning in 1985, the net-to-gross ratios for these institutions were affected by a change in the way parking decks were reported. See page 81.

Net-to-Gross Ratio

Table 13

INSTITUTION	Gross Sq. Ft.	Assignable Sq. Ft.	Net : Gross % 1990	1989	1988	1987	1986
Community Colleges:							
Alamance CC	200,945	138,552	69.0	68.7	67.4	67.5	67.4
Anson CC	81,656	59,248	72.6	73.5	73.0	72.9	73.7
Ashev'le-Bun. TCC	482,455	289,810	60.1	70.8	69.9	70.1	70.4
Beaufort Co. CC	128,848	100,114	77.7	77.8	77.8	78.7	78.7
Bladen CC	103,372	79,000	76.4	76.2	76.3	76.5	76.5
Blue Ridge CC	163,140	122,410	75.0	75.3	75.5	77.2	76.7
Brunswick CC	145,957	111,311	76.3	76.3	77.1	82.1	81.7
Caldwell CC & TI	197,180	150,289	76.2	76.2	76.2	76.2	75.9
Cape Fear CC	221,912	152,509	68.7	69.2	69.0	69.0	69.0
Carteret CC	166,334	126,258	75.9	76.3	76.3	77.4	77.6
Catawba Vy. CC	274,863	202,756	73.8	73.8	74.0	74.9	74.9
C. Carolina CC	168,544	129,622	76.9	76.9	77.1	77.1	78.0
C. Piedmont CC*	1,333,526	524,444	39.3	38.6	38.4	38.2	41.4
Cleveland CC	192,334	135,751	70.6	70.1	74.6	75.4	75.6
Coastal Car. CC	214,716	159,731	74.4	74.4	72.4	72.4	72.6
Col. Albemarle	184,196	119,278	64.8	70.6	71.5	71.5	71.5
Craven CC	152,266	105,676	69.4	72.1	72.1	72.1	72.1
Davidson Co. CC	211,332	146,861	69.5	69.5	69.5	69.5	69.5
Durham TCC	223,212	160,358	71.8	72.0	72.0	73.6	76.4
Edgecombe CC	162,094	106,993	66.0	64.3	64.3	64.3	69.2
Fayettev'le TCC	407,448	294,533	72.3	72.0	72.0	72.8	72.9
Forsyth TCC	414,051	309,053	74.6	74.5	74.1	74.1	73.9
Gaston Col.	287,894	199,612	69.3	69.3	69.7	69.7	69.7
Guilford TCC	585,041	419,736	71.7	71.3	71.1	72.0	71.9
Halifax CC	132,607	96,610	72.9	73.9	73.9	74.0	73.9
Haywood CC	252,070	197,462	78.3	78.1	78.1	78.1	78.4
Isothermal CC	220,057	169,423	77.0	76.1	76.1	77.3	77.3
J. Sprunt CC	117,601	86,453	73.5	74.3	74.5	75.6	75.1
Johnston CC	186,898	140,157	75.0	75.0	77.8	78.0	78.1
Lenoir CC	224,062	173,585	77.5	77.4	78.6	77.6	77.3

*Beginning in 1985, the net-to-gross for this institution was affected by a change in the way parking decks were reported. See page 81.

Net-to-Gross Ratio

Table 13

INSTITUTION	Gross Sq. Ft.	Assignable Sq. Ft.	Net : Gross %				
			1990	1989	1988	1987	1986
Community Colleges:							
Martin CC	152,561	111,911	73.4	73.3	73.3	73.3	75.9
Mayland CC	82,161	59,327	72.2	71.9	73.5	70.5	66.4
McDowell TCC	95,881	72,456	75.6	75.6	75.6	75.6	79.1
Mitchell CC	246,514	178,590	72.4	72.3	72.1	72.1	69.6
Montgomery CC	72,452	50,518	69.7	68.3	68.5	68.1	67.3
Nash CC	177,684	127,992	72.0	72.0	72.0	71.6	71.6
Pamlico CC	40,198	28,725	71.5	71.5	71.5	71.5	71.5
Piedmont CC	117,486	98,191	83.6	83.6	83.8	85.9	86.9
Pitt CC	209,624	153,853	73.4	74.7	74.7	75.7	76.2
Randolph CC	180,877	141,525	78.2	78.9	79.1	79.7	79.9
Richmond CC	159,319	114,325	71.8	71.8	72.7	76.1	77.1
Roanoke-Cho. CC	119,175	83,595	70.1	70.1	70.3	70.3	71.8
Robeson CC	183,243	136,227	74.3	74.3	75.5	75.8	79.8
Rockingham CC	269,195	192,840	71.6	71.2	72.4	74.4	73.9
Rowan-Cab. CC	191,582	146,324	76.4	76.4	76.4	76.4	76.5
Sampson CC	117,646	87,516	74.4	74.6	74.6	73.0	72.1
Sandhills CC	274,195	198,868	72.5	73.4	73.2	73.2	73.1
Southeastern CC	171,005	127,353	74.5	74.5	74.2	74.2	76.1
Southwestern CC	194,728	143,013	73.4	72.5	72.5	76.8	77.9
Stanly CC	100,311	73,728	73.5	73.6	73.6	73.4	74.8
Surry CC	182,076	133,845	73.5	73.5	73.5	73.9	73.9
Tri-County CC	103,973	82,943	79.8	79.8	78.8	78.8	81.5
Vance-Granv. CC	191,516	126,717	66.2	66.2	63.7	63.3	63.3
Wake TCC	349,700	246,431	70.5	70.6	70.8	72.3	72.2
Wayne CC	304,369	215,113	70.7	70.8	79.5	79.4	79.9
W. Piedmont CC	195,113	133,905	68.6	68.6	69.6	69.6	69.6
Wilkes CC	223,482	165,536	74.1	74.1	74.0	74.1	74.1
Wilson Co. TC	165,740	117,417	70.8	70.8	71.0	71.8	71.7
TOTAL	12,708,417	8,756,379	68.9	69.4	69.5	69.6	70.7

TABLE 14:
PERCENTAGE DISTRIBUTION OF ASSIGNABLE AREA BY SUMMARY PROGRAMS AND SUBPROGRAMS

All colleges and universities conduct a wide range of activities in pursuit of their missions as institutions of higher education. The Program Classification Structure, developed by the National Center for Higher Education Management Statistics in 1978, attempts to categorize these activities.

The structure divides all of an institution's activities into ten major categories, called programs. Each program is divided into various subprograms. Virtually every activity and square foot of assignable space can be related to one of these subprograms.

Table 14 reports for each institution the percentage of total assignable area which is classified under each program. Tables 14a-14d indicate these percentages for the subprograms. Definitions of the programs and subprograms are provided in the narratives which precede the tables.

In Tables 14 and 14a-14d, the percentages relate the assignable square footage of the specified program or subprogram to the total assignable area for the institution. For Table 14, these percentages should in theory add to exactly 100.0, but in some cases they do not because of rounding. In Tables 14a-14d, the sums of the percentages reported for the subprograms comprising a certain program should in theory equal the percentage for that program as reported in Table 14. Again, they sometimes do not because of the rounding of the subprogram percentages.

PROGRAM DEFINITIONS

The descriptions of programs and subprograms which precede Tables 14-14d are excerpted from Program Classification Structure: Technical Report 106 by Douglas J. Collier.

10 Instruction Program. This program includes activities carried out for the express purpose of eliciting some measure of educational change in a learner or group of learners. An instructional activity need not be eligible for credit in meeting specified formal curricular requirements leading to a post-secondary degree or certificate.

20 Research Program. Any activity intended to produce one or more research outcomes--including the creation of knowledge, the organization of knowledge, and the application of knowledge--is included within this program. A research activity may be conducted with institutional funds or under the terms of agreement with an agency external to the institution.

30 Public Service. The Public Service Program includes activities established to make available to the public the various resources and capabilities of the institution for the specific purpose of responding to a community need or solving a community problem.

40 Academic Support Program. Any activity carried out in direct support of one or more of the Instruction (10), Research (20), and Public Service (30) Programs is classified as Academic Support.

50 Student Service Program. The objective of the Student Service Program is to contribute to the emotional and physical well-being of the students, as well as to their intellectual, cultural, and social development outside of the context of the institution's formal Instruction Program.

60 Institutional Administration Program. This program consists of those activities carried out to provide for both the day-to-day functioning and the long-range viability of the institution as an operating organization. The ultimate goal of the Institutional Administration Program is to provide for the institution's organizational effectiveness and continuity.

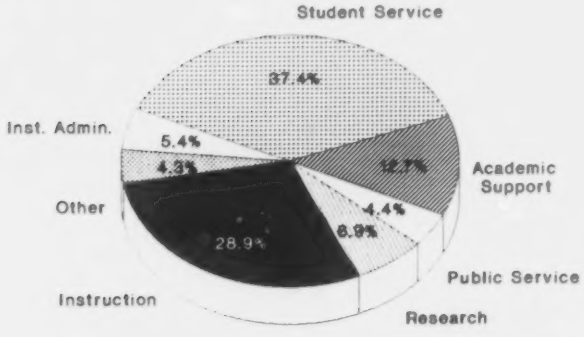
70 Physical Plant Operations Program. Activities related to maintaining existing grounds and facilities, providing utility services, and planning and designing future plant expansions and modifications are included within the Physical Plant Operations Program.

80 Student Financial Support Program. This program includes only the financial assistance provided to students in the form of outright grants, trainee stipends, and prizes, awarded by and/or administered through the institution. Although it is part of the Program Classification Structure, this program applies only to funds and not to space or activities. It is not, therefore, used in facilities inventories.

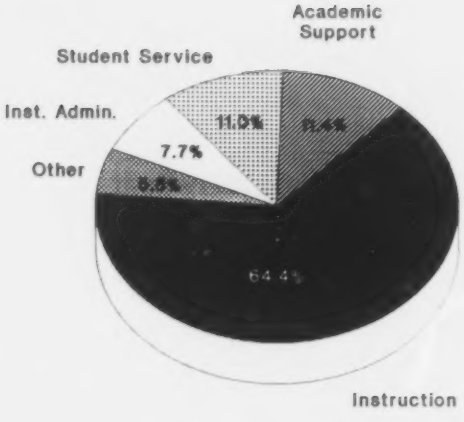
90 Independent Operations Program. Those institutional activities that are owned or controlled by the institution as investments, and which are financed as part of the institution's current operations, comprise the Independent Operations Program.

00 Unassigned. Facilities that are not in use at the time of the inventory are classified under this program. It is unique to facilities management and is not included in the Program Classification Structure.

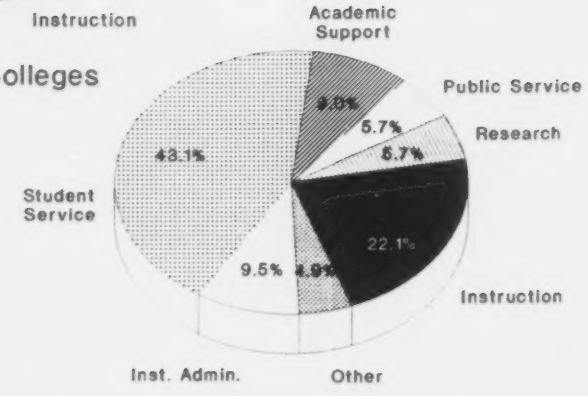
PERCENTAGE DISTRIBUTION OF ASSIGNABLE AREA BY SUMMARY PROGRAMS



University of North Carolina Campuses
and UNC Hospitals at Chapel Hill



Community Colleges



Private Institutions

Percentage Distribution of Assignable Area by Summary Programs

Table 14

INSTITUTION	Assignable Sq. Ft.	In-struc-tion	Re-search	Public Serv.	Acad. Spt.	Stud. Serv.	Inst. Admin.	Phys. Plt. Opns.	Stud. Fin. Spt.	Indep. Opns.	Unas-signed
		10	20	30	40	50	60	70	80	90	00
Major Research Universities:											
NC State	4,224,775	28.6	18.9	3.7	7.4	34.7	3.8	1.9	-	0.6	0.5
NC State Vet.	222,771	31.4	30.0	23.8	10.7	3.3	0.4	0.4	-	-	-
UNC-Chapel Hill	4,533,609	21.1	4.9	1.4	19.2	39.9	6.0	2.1	-	4.2	1.2
UNC-Health Aff.	1,364,722	26.9	33.7	7.0	21.6	3.1	0.3	0.2	-	4.3	2.9
SUBTOTAL	10,345,877	25.1	15.0	3.5	14.5	32.1	4.2	1.7	-	2.7	1.1
Other Doctoral Universities:											
UNC-Greensboro	1,796,719	27.3	3.0	0.1	13.9	44.1	7.5	1.4	-	-	2.8
Comprehensive Universities:											
Appalachian	1,996,786	33.4	0.3	0.6	10.2	47.6	4.8	2.8	-	0.1	0.1
East Carolina	2,111,709	32.5	2.1	0.4	10.4	47.8	5.0	1.3	-	0.2	0.1
ECU-Health Aff.	387,357	68.5	4.6	6.6	15.2	2.6	0.9	1.6	-	-	-
Fayetteville	556,573	32.5	0.1	0.5	13.7	41.4	9.0	2.5	-	0.3	-
NC A & T	1,429,768	35.3	7.1	0.9	13.0	36.7	5.2	1.3	-	0.6	-
NC Central	1,013,452	33.9	1.0	0.1	15.1	41.8	5.8	0.7	-	0.1	1.4
UNC-Charlotte	1,548,767	33.3	2.2	-	10.3	48.0	5.2	1.0	-	-	-
UNC-Wilmington	983,391	22.5	2.3	-	15.1	47.0	7.7	1.3	-	0.3	3.8
West'n Carolina	1,599,169	26.2	0.9	0.1	14.1	42.2	8.9	1.3	-	3.6	2.6
SUBTOTAL	11,626,972	32.7	2.2	0.6	12.3	43.3	5.9	1.5	-	0.7	0.8
Gen. Baccalaureate Universities:											
Elizabeth City	553,705	34.8	-	3.2	8.3	41.7	9.3	1.3	-	0.2	1.1
Pembroke	478,845	39.2	-	0.4	8.7	40.8	9.1	1.5	-	-	0.1
UNC-Asheville	497,753	34.1	0.5	1.8	13.1	34.2	5.6	1.6	-	1.2	7.9
Winston-Salem	614,276	31.6	0.4	0.2	10.3	38.4	8.4	1.5	-	0.1	9.1
SUBTOTAL	2,144,579	34.7	0.2	1.4	10.1	38.8	8.1	1.5	-	0.4	4.8
Specialized Institution:											
NC Sch. of Arts	417,471	43.5	-	5.8	6.3	33.1	5.0	0.7	-	0.5	5.0
Teaching Hospitals:											
UNC Hosp. at C. Hill	717,100	0.3	-	98.3	-	-	<0.1	<0.1	-	-	1.3
Community Colleges:											
SUBTOTAL	8,756,379	64.4	-	1.3	11.4	11.0	7.7	2.1	-	0.5	1.6
PRIVATE INSTITUTIONS											
Major Research Universities:											
SUBTOTAL	7,646,604	15.0	14.8	14.8	11.2	31.7	6.1	2.2	-	3.7	0.6
Gen. Baccalaureate Colleges:											
SUBTOTAL	11,118,551	26.4	0.1	0.1	7.8	49.7	11.9	1.9	-	0.7	1.5
Junior Colleges:											
SUBTOTAL	1,308,024	27.7	-	0.1	7.1	53.1	9.5	1.8	-	0.2	0.6
GRAND TOTAL	55,878,276	32.0	5.4	4.4	11.2	35.3	7.2	1.8	-	1.4	1.4

Percentage Distribution of Assignable Area by Summary Programs

Table 14

INSTITUTION	Assignable Sq. Ft.	Instruction 10	Research 20	Public Serv. 30	Acad. Spt. 40	Stud. Serv. 50	Inst. Admin. 60	Phys. Plt. Opns. 70	Stud. Fin. Spt. 80	Indep. Opns. 90	Unassigned 00
Community Colleges:											
Alamance CC	138,552	72.5	-	1.3	9.9	5.9	6.3	3.1	-	-	0.9
Anson CC	59,248	49.3	-	0.7	16.2	10.1	8.0	4.4	-	-	11.3
Ashev'le-Bun. TCC	289,810	73.2	-	0.2	9.0	5.0	6.9	0.9	-	-	4.7
Beaufort Co. CC	100,114	58.6	-	-	10.8	13.3	10.0	5.7	-	-	1.6
Bladen CC	79,000	59.2	-	-	9.2	19.4	9.4	-	-	0.9	1.9
Blue Ridge CC	122,410	62.3	-	0.3	12.7	12.9	5.2	6.4	-	0.1	-
Brunswick CC	111,311	48.1	-	0.1	10.9	12.3	7.9	0.3	-	2.3	17.9
Caldwell CC & TI	150,289	62.5	-	-	13.0	14.4	8.6	0.2	-	-	1.4
Cape Fear CC	152,509	67.6	-	0.3	12.8	10.6	8.3	0.1	-	0.2	-
Carteret CC	126,258	50.8	-	0.1	7.0	6.4	17.0	0.5	-	13.2	5.1
Catawba Vy. CC	202,756	70.9	-	0.1	10.5	7.9	9.9	-	-	0.7	-
C. Carolina CC	129,622	75.1	-	-	9.6	8.0	4.2	3.1	-	-	-
C. Piedmont CC	524,444	68.7	-	0.2	12.5	7.7	8.0	1.5	-	-	1.4
Cleveland CC	135,751	63.7	-	2.9	13.9	10.3	6.9	1.9	-	-	0.5
Coastal Car. CC	159,731	70.0	-	0.1	12.2	10.0	5.3	2.3	-	-	-
Col. Albemarle	119,278	58.3	-	14.4	11.4	8.9	5.7	1.4	-	-	-
Craven CC	105,676	74.3	-	0.1	12.8	7.8	5.0	-	-	-	-
Davidson Co. CC	146,861	61.7	-	1.3	19.5	8.2	6.1	2.6	-	0.5	-
Durham TCC	160,358	65.2	-	0.1	12.6	6.7	10.5	3.2	-	1.7	-
Edgecombe CC	106,993	59.7	-	0.2	13.2	12.7	6.0	-	-	-	8.2
Fayettev'le TCC	294,533	53.9	-	7.1	11.8	16.1	8.5	2.5	-	-	-
Forsyth TCC	309,053	71.5	-	0.3	7.9	11.9	5.6	2.8	-	0.1	-
Gaston Col.	199,612	73.4	-	-	7.7	12.3	6.4	<0.1	-	-	0.2
Guilford TCC	419,736	66.8	-	2.1	9.5	10.2	7.0	2.0	-	2.1	0.3
Halifax CC	96,610	56.9	-	3.1	11.2	16.6	9.1	2.9	-	-	0.2
Haywood CC	197,462	77.4	-	0.7	7.5	5.5	3.4	4.2	-	0.1	1.1
Isothermal CC	169,423	73.9	-	0.7	8.9	6.8	6.3	3.3	-	-	-
J. Sprunt CC	86,453	68.8	-	0.7	5.7	13.4	7.1	4.4	-	-	-
Johnston CC	140,157	63.1	-	0.9	10.1	18.7	4.0	3.2	-	-	-
Lenoir CC	173,585	61.1	-	0.3	16.4	7.5	8.9	0.3	-	-	5.5
Martin CC	111,911	61.9	-	-	14.6	14.2	5.5	3.3	-	0.5	-
Mayland CC	59,327	56.8	-	0.5	19.6	10.4	12.6	0.1	-	-	-
McDowell TCC	72,456	72.6	-	0.4	10.0	6.4	7.7	2.9	-	-	-
Mitchell CC	178,590	57.4	-	0.3	9.7	18.7	7.9	0.7	-	1.2	4.0
Montgomery CC	50,518	67.4	-	-	10.6	9.2	7.6	2.3	-	-	2.9
Nash CC	127,992	80.2	-	2.6	4.3	5.8	5.7	1.4	-	-	-
Pamlico CC	28,725	57.9	-	0.8	18.7	9.2	9.3	4.0	-	-	-
Piedmont CC	98,191	47.3	-	15.7	8.5	7.2	16.5	3.5	-	1.2	-
Pitt CC	153,853	68.6	-	0.1	19.1	4.9	6.1	1.0	-	-	0.2
Randolph CC	141,525	65.9	-	-	11.8	11.5	9.5	1.2	-	-	0.1
Richmond CC	114,325	63.6	-	0.8	13.4	10.2	10.5	1.5	-	-	-
Roanoke-Cho. CC	83,595	57.2	-	0.2	10.2	9.7	6.7	5.0	-	-	10.9
Robeson CC	136,227	58.4	-	-	9.9	19.4	10.8	1.4	-	-	-
Rockingham CC	192,840	69.0	-	0.9	9.2	11.2	8.5	0.9	-	<0.1	0.2
Rowan-Cab. CC	146,324	66.1	-	-	14.2	10.4	5.2	4.1	-	-	-
Sampson CC	87,516	60.1	-	-	15.1	12.3	12.3	0.2	-	-	-
Sandhills CC	198,868	58.9	-	0.1	12.7	18.2	6.9	2.8	-	<0.1	0.4
Southeastern CC	127,353	65.8	-	0.8	13.2	11.5	7.7	1.0	-	-	-
Southwestern CC	143,013	49.7	-	2.4	10.0	23.3	9.7	2.0	-	1.1	1.9
Stanly CC	73,728	66.4	-	0.2	7.6	15.4	9.6	0.7	-	-	-
Surry CC	133,845	68.6	-	0.6	10.2	13.5	4.7	2.4	-	-	-
Tri-County CC	82,943	73.7	-	-	8.3	12.6	5.4	-	-	-	-
Vance-Granv. CC	126,717	56.0	-	12.2	11.2	5.5	10.0	0.7	-	-	4.3
Wake TCC	246,431	59.9	-	-	13.5	9.7	11.3	3.5	-	-	2.0
Wayne CC	215,113	60.0	-	0.4	11.9	10.9	5.5	4.7	-	-	6.6
W. Piedmont CC	133,905	56.0	-	<0.1	14.1	10.7	8.4	3.8	-	-	7.1
Wilkes CC	165,536	49.7	-	<0.1	11.9	25.1	8.7	0.7	-	3.8	-
Wilson Co. TC	117,417	67.3	-	1.1	14.3	6.7	8.1	2.5	-	-	-
TOTAL	8,756,379	64.4	-	1.3	11.4	11.0	7.7	2.1	-	0.5	1.6

TABLE 14a:
INSTRUCTION, RESEARCH AND PUBLIC SERVICE SUBPROGRAMS

Table 14a indicates the percentages of institutional square footage under the Instruction, Research, and Public Service Subprograms.

The definitions of these subprograms follow. Subprograms which are described but which are not included in Table 14a had no square footage assigned to them by institutions.

11 General Academic Instruction. This subprogram includes those instructional offerings intended both to prepare learners, in a generalized sense, to function in a number of different occupations and to prepare them for further academic study. Instructional offerings of this general academic nature are classified in this subprogram only if they are offered as part of one of the institution's formal degree or certificate programs.

12 Vocational/Technical Instruction. This subprogram includes those instructional offerings intended to prepare learners for immediate entry into a specific occupation or career. Instructional offerings are classified in this subprogram only if they are offered as part of one of the institution's formal degree or certificate programs.

13 Requisite Preparatory/Remedial Instruction. This category includes those instructional offerings carried out to provide the learner with the skills or knowledge required by the institution to undertake course work leading to a postsecondary degree or certificate.

14 General Studies. This subprogram includes those instructional offerings that are not part of one of the institution's formal postsecondary degree or certificate programs and that are intended to provide the learner with knowledge, skills, and attitudes typically associated with an academic discipline (such as literature, mathematics, philosophy).

15 Occupational-Related Instruction. This subprogram includes those instructional offerings that are not carried out as part of a formal certificate or degree program but that are offered to provide the learner with knowledge, skills, and background related to a specific occupation or career.

16 Social Roles/Interaction Instruction. This subprogram includes those instructional offerings that are not carried out as part of a certificate or degree program but that are offered to provide the learner with knowledge, skills, and background needed to function as a member of society or to interact with the variety of social institutions. It also includes those offerings that deal with the person as a member of a particular social organization or institution.

17 Home and Family Life Instruction. This subprogram includes those instructional offerings that are not offered as part of a certificate or degree program, but which are carried out to provide the learner with knowledge, skills, and capabilities related to the establishment, maintenance, and improvement of a home; to the carrying out of those functions typically associated with the conduct of a household; or to the person's responsibilities as a member of the family unit.

18 Personal Interest and Leisure Instruction. This subprogram includes those instructional activities that are not offered as part of a certificate or degree program, but which are carried out to support an individual's recreational or avocational pursuits or to improve his or her day-to-day living skills.

21 Institutes and Research Centers. This subprogram includes all research activities conducted within the framework of a formal research organization except for those conducted under the 21 federally funded research centers. (There are no federally funded research centers in North Carolina.)

22 Individual or Project Research. This subprogram includes those research activities that normally are managed within the academic departments. Such research activities usually have a stated goal or purpose, have projected outcomes, and generally are created for specific time periods as a result of a contract, grant, or specific time allocation of institutional resources. Research which is carried out as an instructional activity, however, is classified under the appropriate Instructional Subprogram.

31 Direct Patient Care. This subprogram includes those activities carried out for the specific purpose of providing direct patient care (prevention, diagnosis, treatment, education, rehabilitation, and so forth). These services are typically rendered under the auspices of a teaching hospital or health-sciences center and are provided for the benefit of a clientele in the community-at-large rather than for the institution's own student body or faculty and staff.

32 Health Care Supportive Services. This subprogram includes those activities that are unique to a teaching hospital, health-science center, or clinic and that directly support the provision of health care, but which cannot themselves legitimately be considered part of the provision of direct patient care.

33 Community Services. This subprogram consists of resources, services, and expertise made available to persons and groups outside of the context of the institution's regular Instruction, Research, and support programs that are not included in the other Public Service Subprograms (i.e., 31, 32, 34, and 35). Activities within this subprogram differ from those under Cooperative Extension Services (34) in that they are generally sponsored and controlled by the institution; extension services usually involve a sharing of programmatic and fiscal control with an outside agency.

34 Cooperative Extension Services. This subprogram includes those activities that make resources, services, and expertise available outside the Instruction, Research, and support programs and that are conducted as cooperative efforts with outside agencies. A distinguishing feature of the activities included in this subprogram is that programmatic and fiscal control is usually shared with one or more external agencies or governmental units.

35 Public Broadcasting Services. This subprogram includes the operation and maintenance of broadcasting services that are operated outside the context of the institution's Instruction, Research, and support programs. Excluded from this category are broadcasting services that are conducted primarily in support of instruction, broadcasting services that are primarily operated as a student-broadcasting club, and broadcasting activities that are independent operations.

Instruction, Research & Public Service Subprograms

Table 14a

INSTITUTION	Gen'l Acad. Instr.	Voc. Tech. Instr.	Prep. Remed. Instr.	Gen'l Studies	Occup. Relatd Instr.	Social Roles Instr.	Home & Family Life	Pers. Int. Leis. Instr.
	11	12	13	14	15	16	17	18
Major Research Universities:								
NC State	28.5	-	0.1	-	<0.1	-	-	-
NC State Vet.	31.4	-	-	-	-	-	-	-
UNC-Chapel Hill	20.8	-	<0.1	0.1	0.1	-	-	-
UNC-Health Aff.	26.3	-	<0.1	0.1	0.6	-	-	-
SUBTOTAL	24.9	-	<0.1	<0.1	0.1	-	-	-
Other Doctoral Universities:								
UNC-Greensboro	27.2	-	0.1	-	-	-	-	-
Comprehensive Universities:								
Appalachian	29.8	-	-	3.6	-	-	-	-
East Carolina	32.5	-	-	-	-	-	-	-
ECU-Health Aff.	68.5	-	-	-	-	-	-	-
Fayetteville	31.8	-	-	0.7	-	-	-	-
NC A & T	35.3	-	<0.1	-	-	-	-	-
NC Central	33.8	-	0.1	-	-	<0.1	-	-
UNC-Charlotte	33.3	-	-	-	-	-	-	-
UNC-Wilmington	22.3	-	-	-	0.2	-	-	-
West'n Carolina	26.0	-	<0.1	0.1	0.1	0.1	-	-
SUBTOTAL	32.0	-	<0.1	0.7	<0.1	<0.1	-	-
Gen. Baccalaureate Universities:								
Elizabeth City	33.9	-	0.9	-	-	-	-	-
Pembroke	39.0	-	0.2	-	-	-	-	-
UNC-Asheville	34.1	-	-	-	-	-	-	-
Winston-Salem	30.7	-	0.9	-	-	-	-	-
SUBTOTAL	34.2	-	0.5	-	-	-	-	-

Instruction, Research & Public Service Subprograms

Table 14a

Inst. & Res. Ctrs.	Indiv. Project Res.	Direct Patient Care	Health Care Svc.	Commu-nity Svc.	Coop. Exten. Svc.	Public Broad. Svc.	INSTITUTION
21	22	31	32	33	34	35	
							Major Research Universities:
0.4	18.6	-	-	1.6	2.1	-	NC State
-	30.0	10.2	13.6	-	-	-	NC State Vet.
0.1	4.8	-	-	1.3	-	0.1	UNC-Chapel Hill
2.5	31.2	2.6	4.0	0.3	-	-	UNC-Health Aff.
0.5	14.4	0.6	0.8	1.2	0.8	0.1	SUBTOTAL
							Other Doctoral Universities:
-	3.0	-	-	<0.1	<0.1	-	UNC-Greensboro
							Comprehensive Universities:
-	0.3	-	-	0.6	-	-	Appalachian
0.3	1.9	-	-	0.4	-	<0.1	East Carolina
-	4.6	1.6	3.4	1.6	-	-	ECU-Health Aff.
-	0.1	-	-	0.4	-	<0.1	Fayetteville
0.2	7.0	-	-	0.2	0.6	0.1	NC A & T
0.4	0.6	-	-	0.1	-	-	NC Central
0.2	1.9	-	-	-	-	-	UNC-Charlotte
1.2	1.1	-	-	-	-	-	UNC-Wilmington
-	0.9	-	-	0.1	-	<0.1	West'n Carolina
0.2	1.9	0.1	0.1	0.3	0.1	<0.1	SUBTOTAL
							Gen. Baccalaureate Universities:
-	-	-	-	2.9	-	0.3	Elizabeth City
-	-	-	-	0.4	-	-	Pembroke
0.2	0.4	-	-	1.8	-	-	UNC-Asheville
-	0.4	-	-	0.2	-	<0.1	Winston-Salem
<0.1	0.2	-	-	1.3	-	0.1	SUBTOTAL

Instruction, Research & Public Service Subprograms

Table 14a

INSTITUTION	Gen'l Acad. Instr.	Voc. Tech. Instr.	Prep. Remed. Instr.	Gen'l Studies	Occup. Relatd Instr.	Social Roles Instr.	Home & Family Life	Pers. Int. Leis. Instr.
	11	12	13	14	15	16	17	18
Specialized Institution:								
NC Sch. of Arts	43.5	-	-	-	-	-	-	-
Teaching Hospitals:								
UNC Hosp. at C.H.	0.3	-	-	-	-	-	-	-
Community Colleges:								
SUBTOTAL	7.4	49.8	0.6	2.6	3.0	<0.1	0.2	0.6
PRIVATE INSTITUTIONS								
Major Research Universities:								
SUBTOTAL	14.8	-	0.1	0.1	<0.1	-	-	-
Gen. Baccalaureate Colleges:								
SUBTOTAL	26.2	-	0.1	<0.1	<0.1	-	-	-
Junior Colleges:								
SUBTOTAL	27.7	-	<0.1	-	-	-	-	-
GRAND TOTAL	22.8	7.8	0.2	0.6	0.5	<0.1	<0.1	0.1

Instruction, Research & Public Service Subprograms

Table 14a

Inst. & Res. Ctrs.	Indiv. Project Res.	Direct Patient Care	Health Care Svc.	Commu-nity Svc.	Coop. Exten. Svc.	Public Broad. Svc.	INSTITUTION
21	22	31	32	33	34	35	
							Specialized Institution:
-	-	-	-	5.8	-	-	NC Sch. of Arts
							Teaching Hospitals:
-	-	31.2	67.1	-	-	-	UNC Hosp. at C.H.
							Community Colleges:
-	-	-	-	1.3	<0.1	<0.1	SUBTOTAL
				PRIVATE INSTITUTIONS			
							Major Research Universities:
-	14.8	4.7	10.0	-	-	<0.1	SUBTOTAL
							Gen. Baccalaureate Colleges:
-	0.1	-	-	0.1	-	-	SUBTOTAL
							Junior Colleges:
-	-	-	-	0.1	-	-	SUBTOTAL
0.1	5.2	1.2	2.4	0.6	0.2	<0.1	GRAND TOTAL

Instruction, Research & Public Service Subprograms

Table 14a

INSTITUTION	Gen'l Acad. Instr. 11	Voc. Tech. Instr. 12	Prep. Remed. Instr. 13	Gen'l Studies 14	Occup. Relatd Instr. 15	Social Roles Instr. 16	Home & Family Life 17	Pers. Int. Leis. Instr. 18	Commu-nity Svc. 33
Community Colleges:									
Alamance CC	0.1	60.3	0.5	2.1	9.5	-	-	-	1.3
Anson CC	4.7	37.8	0.1	5.0	1.6	-	-	-	0.7
Ashev'le-Bun. TCC	-	60.7	-	2.8	8.1	-	-	1.6	0.2
Beaufort Co. CC	-	55.7	-	2.9	-	-	-	-	-
Bladen CC	-	45.9	0.1	1.4	11.0	0.1	0.8	-	-
Blue Ridge CC	-	55.0	-	1.3	6.0	-	-	-	0.3
Brunswick CC	-	41.9	0.1	3.0	2.3	-	0.8	-	0.1
Caldwell CC & TI	9.7	51.3	1.5	-	-	-	-	-	-
Cape Fear CC	0.5	63.7	0.2	2.1	1.2	-	-	-	0.3
Carteret CC	0.1	46.2	0.1	2.2	0.1	-	-	2.2	0.1
Catawba Vy. CC	0.3	60.7	1.0	1.3	5.9	-	-	1.7	0.1
C. Carolina CC	-	69.5	-	2.0	3.6	-	-	-	-
C. Piedmont CC	13.5	51.5	2.4	1.0	0.3	-	-	-	0.2
Cleveland CC	9.7	48.5	-	0.6	0.9	-	3.9	-	2.9
Coastal Car. CC	19.4	42.1	0.1	1.5	6.5	-	0.5	-	0.1
Col. Albemarle	14.9	36.5	0.7	6.0	0.3	-	-	-	14.4
Craven CC**	4.5	63.4	0.3	6.1	-	-	-	-	-
Davidson Co. CC	19.7	38.1	0.1	2.6	-	-	1.2	-	1.3
Durham TCC	0.1	58.6	-	5.9	0.5	-	-	-	0.1
Edgecombe CC	2.9	49.7	-	3.4	1.6	-	2.1	-	0.2
Fayettev'le TCC	-	53.0	0.2	0.7	-	-	-	-	7.1
Forsyth TCC	-	57.7	1.0	6.1	2.0	-	0.4	4.3	0.3
Gaston Col.	18.7	52.2	0.6	0.7	0.9	0.3	-	-	-
Guilford TCC*	2.9	49.0	1.8	5.4	5.8	0.2	-	1.7	2.1
Halifax CC	11.8	37.7	3.3	0.3	0.8	0.9	-	2.1	3.1
Haywood CC	-	63.3	-	1.4	4.9	-	-	7.8	0.7
Isothermal CC**	29.3	36.4	1.4	3.0	2.1	-	0.6	1.1	-
J. Sprunt CC	3.2	60.7	0.4	1.8	2.7	-	-	-	0.7
Johnston CC	-	62.5	-	0.6	-	-	-	-	0.9
Lenoir CC*	25.9	32.9	-	1.4	0.1	-	0.8	-	0.2

*34 (Coop. Exten. Svc.): Guilford TCC - <0.1, Lenoir CC - 0.1, Pitt CC - 0.1
Subtotal - <0.1

Instruction, Research & Public Service Subprograms

Table 14a

INSTITUTION	Gen'l Acad. Instr.	Voc. Tech. Instr.	Prep. Remed. Instr.	Gen'l Studies	Occup. Relatd Instr.	Social Roles Instr.	Home & Family Life	Pers. Int. Leis. Instr.	Commu-nity Svc.
	11	12	13	14	15	16	17	18	33
Community Colleges:									
Martin CC	12.3	48.2	0.9	0.5	-	-	-	-	-
Mayland CC	-	55.1	-	1.7	<0.1	-	-	-	0.5
McDowell TCC	1.7	63.8	0.4	2.1	4.6	-	-	-	0.4
Mitchell CC	20.6	20.9	<0.1	12.9	3.0	-	-	-	0.3
Montgomery CC	-	67.4	-	-	-	-	-	-	-
Nash CC	1.0	39.3	1.1	-	36.8	0.5	1.6	-	2.6
Pamlico CC	-	57.9	-	-	-	-	-	-	0.8
Piedmont CC	-	41.3	0.5	2.2	3.4	-	-	-	15.7
Pitt CC*	6.0	53.9	1.1	1.8	5.7	-	-	-	-
Randolph CC	-	62.3	-	1.4	2.1	-	-	-	-
Richmond CC	-	54.1	-	8.2	1.0	0.3	-	-	0.8
Roanoke-Cho. CC	-	49.1	0.8	1.7	3.0	-	-	2.5	0.2
Robeson CC	-	54.9	-	2.4	1.1	-	-	-	-
Rockingham CC	31.1	31.9	-	1.6	4.4	-	-	-	0.9
Rowan-Cab. CC	-	63.0	-	0.8	2.4	-	-	-	-
Sampson CC	-	48.9	1.5	6.8	-	-	2.9	-	-
Sandhills CC	24.2	30.7	0.5	0.4	3.2	-	-	-	0.1
Southeastern CC	15.2	48.4	1.7	0.5	-	-	-	-	0.8
Southwestern CC	-	45.9	0.7	2.1	-	-	-	1.0	2.4
Stanly CC**	-	63.9	-	-	2.6	-	-	-	-
Surry CC	20.1	42.7	1.0	0.1	4.7	-	-	-	0.6
Tri-County CC	4.4	63.5	-	4.7	-	-	0.9	0.2	-
Vance-Granv. CC	3.7	46.0	0.6	4.2	1.6	-	-	-	12.2
Wake TCC	-	53.7	-	3.0	3.2	-	-	-	-
Wayne CC	8.3	42.9	-	7.1	1.7	-	-	-	0.4
W. Piedmont CC	24.4	28.0	-	2.6	1.0	-	-	-	<0.1
Wilkes CC	14.5	34.6	-	0.6	-	-	-	-	<0.1
Wilson Co. TC	-	57.9	4.2	1.2	3.3	-	0.7	-	1.1
TOTAL	7.4	49.8	0.6	2.6	3.0	<0.1	0.2	0.6	1.3

**35 (Public Broad. Svc.): Craven CC - 0.1, Isothermal CC - 0.7, Stanly CC - 0.2, Subtotal - <0.1

TABLE 14b:
ACADEMIC SUPPORT SUBPROGRAMS

Table 14b indicates the percentages of institutional square footage under each of the Academic Support Subprograms.

The definitions of these subprograms follow. Subprograms which are described but which are not included in Table 14b had no square footage assigned to them by institutions.

41 Library Services. This subprogram includes those activities that directly support the collection, cataloging, storage, and distribution of published materials in support of one or more of the institution's primary programs. This subprogram applies only to library services which are separately funded; departmental libraries are included under the appropriate Instruction Subprogram.

42 Museums and Galleries. This subprogram includes those activities related to the collection, preservation, and exhibition of historical materials, art objects, scientific displays, and so forth, that support one or more of the institution's primary programs. This subprogram applies only to museums and galleries which are separately funded; departmental libraries are included under the appropriate Instruction Subprogram.

43 Educational Media Services. This subprogram includes those audio, visual, and other technological services that have been established to provide direct support for the institution's Instruction, Research, and Public Service Programs.

44 Academic Computer Support. This subprogram includes those computer services that have been established to provide direct support for one or more of the institution's primary programs. It does not include administrative data-processing services and computing support.

45 Ancillary Support. This subprogram includes those activities that directly contribute to the way in which instruction is delivered or research is conducted but that cannot be appropriately classified as educational media services or academic computing support.

46 Academic Administration. This subprogram consists of those activities that provide administrative and management support specifically for the institution's academic programs. It includes the activities of the college deans, the administrative activities of departmental chairpersons, and the activities of their associated support staff, but it does not include the activities of those whose responsibilities are institution-wide and involve duties outside of the academic realm.

47 Course and Curriculum Development. This subprogram includes only those formal planning and development activities established either to improve or to add to the institution's curriculum. Those activities that individual faculty members carry out to update and improve their current course offerings are included under the appropriate Instruction Subprogram.

48 Academic Personnel Development. This subprogram includes those activities that provide the faculty with opportunities for personal and professional growth and development, as well as those activities intended to evaluate and reward the professional performance of the faculty.

Academic Support Subprograms

Table 14b

INSTITUTION	Libr. Svcs. 41	Museums & Galleries 42	Educ. Media Svcs. 43	Acad. Comput. Spt. 44	Ancil-lary Spt. 45	Acad. Admin. 46	Course & Curr. Devel. 47	Acad. Pers. Dev. 48
Major Research Universities:								
NC State	4.3	-	0.2	0.6	<0.1	2.3	-	-
NC State Vet.	5.4	-	1.0	0.2	-	4.1	-	-
UNC-Chapel Hill	13.7	0.5	0.2	0.4	0.6	3.5	-	0.1
UNC-Health Aff.	4.8	-	0.5	0.2	3.5	12.4	0.1	0.1
SUBTOTAL	8.5	0.2	0.3	0.4	0.7	4.2	<0.1	<0.1
Other Doctoral Universities:								
UNC-Greensboro	7.7	1.7	1.1	1.2	1.0	1.3	-	-
Comprehensive Universities:								
Appalachian	5.7	1.0	0.4	0.4	0.4	2.0	0.2	0.1
East Carolina	6.1	0.4	0.3	<0.1	2.1	1.5	-	-
ECU-Health Aff.	11.9	-	0.4	-	0.5	2.3	-	-
Fayetteville	9.6	0.4	0.8	<0.1	1.1	1.8	-	-
NC A & T	3.5	0.6	0.3	0.3	4.6	3.7	-	-
NC Central	9.0	0.4	0.5	1.0	1.2	2.9	-	-
UNC-Charlotte	6.5	0.1	0.6	0.5	-	2.7	-	-
UNC-Wilmington	12.5	-	-	0.1	-	2.5	-	0.1
West'n Carolina	7.5	0.6	0.6	0.1	3.9	1.4	-	0.1
SUBTOTAL	7.1	0.5	0.4	0.3	1.7	2.2	<0.1	<0.1
Gen. Baccalaureate Universities:								
Elizabeth City	5.8	0.1	0.1	0.3	0.8	1.1	-	-
Pembroke	5.7	1.5	0.3	0.1	-	1.1	-	-
UNC-Asheville	9.9	0.5	1.1	1.4	-	0.2	-	-
Winston-Salem	5.3	1.4	0.2	1.3	0.3	1.8	-	-
SUBTOTAL	6.6	0.9	0.4	0.8	0.3	1.1	-	-

Table 14b

Academic Support Subprograms

INSTITUTION	Libr. Svcs.	Museums & Galleries	Educ. Media Svcs.	Acad. Comput. Spt.	Ancil-lary Spt.	Acad. Admin.	Course & Curr. Devel.	Acad. Pers. Dev.
	41	42	43	44	45	46	47	48
Specialized Institution:								
NC Sch. of Arts	4.4	0.7	0.1	0.1	0.6	0.6	-	-
Teaching Hospitals:								
UNC Hosp. at C.H.	-	-	-	-	-	-	-	-
Community Colleges:								
SUBTOTAL	7.7	0.1	1.1	0.1	0.7	1.6	<0.1	-
PRIVATE INSTITUTIONS								
Major Research Universities:								
SUBTOTAL	7.4	0.4	0.2	0.3	<0.1	2.9	-	<0.1
Gen. Baccalaureate Colleges:								
SUBTOTAL	6.3	0.5	0.3	0.1	0.3	0.4	-	<0.1
Junior Colleges:								
SUBTOTAL	5.9	0.7	-	0.1	-	0.4	-	-
GRAND TOTAL	7.2	0.4	0.4	0.3	0.7	2.1	<0.1	<0.1

Table 14b

Academic Support Subprograms

INSTITUTION	Libr. Svcs.	Museums & Galleries	Educ. Media Svcs.	Acad. Comput. Spt.	Ancil-lary Spt.	Acad. Admin.	Course & Curr. Devel.	Acad. Pers. Dev.
	41	42	43	44	45	46	47	48
Community Colleges:								
Alamance CC	4.8	-	0.7	0.2	3.0	1.3	-	-
Anson CC	11.7	-	0.4	-	-	4.1	-	-
Ashev'le-Bun. TCC	2.6	-	0.2	0.1	5.4	0.8	-	-
Beaufort Co. CC	8.2	-	0.8	-	-	1.6	0.2	-
Bladen CC	7.1	-	0.3	-	-	1.8	-	-
Blue Ridge CC	9.3	0.1	2.2	-	-	1.1	-	-
Brunswick CC	7.8	-	1.3	-	0.3	1.6	-	-
Caldwell CC & TI	7.8	-	1.4	-	-	3.7	-	-
Cape Fear CC	9.6	-	1.5	0.3	-	1.4	-	-
Carteret CC	4.8	-	1.1	-	-	1.1	-	-
Catawba Vy. CC	5.9	0.2	1.3	-	0.5	2.7	-	-
C. Carolina CC	7.5	-	0.9	-	-	1.2	-	-
C. Piedmont CC	7.7	-	1.6	-	1.3	2.0	-	-
Cleveland CC	10.4	0.4	1.4	-	-	1.8	-	-
Coastal Car. CC	10.3	0.3	1.1	<0.1	-	0.5	-	-
Col. Albemarle	8.3	0.6	0.5	-	-	1.9	-	-
Craven CC	10.0	-	1.6	-	-	1.2	-	-
Davidson Co. CC	12.1	-	2.0	0.1	3.4	1.9	-	-
Durham TCC	7.5	-	1.8	-	-	3.2	0.2	-
Edgecombe CC	9.3	-	1.5	0.3	-	2.1	-	-
Fayettev'le TCC	5.3	-	1.6	-	-	4.9	-	-
Forsyth TCC	5.2	-	0.5	0.2	-	1.9	-	-
Gaston Col.	4.7	0.3	-	0.4	1.6	0.7	-	-
Guilford TCC	7.0	-	0.7	-	-	1.7	0.1	-
Halifax CC	9.3	-	0.4	-	-	1.5	-	-
Haywood CC	3.8	0.2	0.8	-	2.0	0.6	-	-
Isothermal CC	5.9	-	0.6	-	1.6	0.8	-	-
J. Sprunt CC	4.3	-	-	-	-	1.3	-	-
Johnston CC	6.0	-	2.6	-	-	1.5	-	-
Lenoir CC	11.9	1.6	1.1	-	-	1.8	-	-

Table 14b

Academic Support Subprograms

INSTITUTION	Libr. Svcs. 41	Museums & Galleries 42	Educ. Media Svcs. 43	Acad. Comput. Spt. 44	Ancil-lary Spt. 45	Acad. Admin. 46	Course & Curr. Devel. 47	Acad. Pers. Dev. 48
Community Colleges:								
Martin CC	12.8	-	-	-	-	1.8	-	-
Mayland CC	16.8	-	1.5	-	-	1.3	-	-
McDowell TCC	7.0	0.8	-	0.4	1.6	0.2	-	-
Mitchell CC	6.5	0.7	0.7	-	-	1.8	-	-
Montgomery CC	6.4	-	-	-	3.7	0.5	-	-
Nash CC	3.1	-	-	-	-	1.2	-	-
Pamlico CC	14.9	-	2.0	0.3	-	1.5	-	-
Piedmont CC	7.2	-	0.6	0.1	-	0.6	-	-
Pitt CC	13.2	-	2.0	-	3.0	0.7	0.2	-
Randolph CC	8.7	-	1.8	-	-	1.4	-	-
Richmond CC	10.0	-	1.5	0.6	-	1.3	-	-
Roanoke-Cho. CC	7.5	-	-	-	1.3	1.4	-	-
Robeson CC	7.5	-	1.4	-	-	1.0	-	-
Rockingham CC	6.4	0.7	0.6	-	0.7	0.9	-	-
Rowan-Cab. CC	10.1	-	0.8	0.3	-	2.9	-	-
Sampson CC	10.9	-	-	-	-	4.2	-	-
Sandhills CC	9.5	0.6	1.5	-	-	1.1	-	-
Southeastern CC	10.2	-	0.7	0.2	1.6	0.6	-	-
Southwestern CC	5.7	-	1.7	-	-	2.6	-	-
Stanly CC	6.7	-	0.2	-	-	0.8	-	-
Surry CC	8.7	-	1.0	0.1	-	0.3	-	-
Tri-County CC	7.7	-	-	-	-	0.6	-	-
Vance-Granv. CC	7.8	-	-	0.2	2.2	1.0	-	-
Wake TCC	10.2	-	2.4	0.2	-	0.7	-	-
Wayne CC	9.1	-	1.4	-	-	1.2	0.1	-
W. Piedmont CC	9.0	-	2.4	-	-	2.6	-	-
Wilkes CC	6.4	1.3	1.1	-	2.0	1.2	-	-
Wilson Co. TC	5.9	-	2.0	-	4.4	2.0	-	-
TOTAL	7.7	0.1	1.1	0.1	0.7	1.6	<0.1	-

TABLE 14c:
STUDENT SERVICE AND PHYSICAL PLANT OPERATIONS SUBPROGRAMS

Table 14c indicates the percentages of institutional square footage under the Student Service and Physical Plant Operations Subprograms.

The definitions of these subprograms follow. Subprograms which are described but which are not included in Table 14c had no square footage assigned to them by institutions.

51 Student Service Administration. This subprogram includes those administrative activities that provide assistance and support (excluding academic support) to the needs and interests of students.

52 Social and Cultural Development. This subprogram includes those activities established to provide for the social and cultural development of the student outside of the formal academic program. It includes those activities primarily supported and controlled by the student body, those cultural activities provided outside the student's educational experience, and general recreation activities for the student body.

53 Counseling and Career Guidance. This subprogram includes those formal placement, career guidance, and personal counseling services provided for the benefit of students. Excluded are psychiatric and psychological counseling services that are carried out as part of the student health program.

54 Financial Aid Administration. This subprogram includes those administrative activities carried out in support of the institution's financial aid program.

55 Student Auxiliary Services. This subprogram includes those conveniences and services needed to maintain an on-campus, resident student body. A fee which is related to but not necessarily equal to the cost of the service rendered is often charged for these services.

56 Intercollegiate Athletics. This subprogram includes those team and individual sports activities that involve competition between two or more educational institutions.

57 Student Health/Medical Services. This subprogram includes those activities carried out for the specific purpose of providing health and medical services for the student body. The activities included here generally are associated with a student infirmary rather than a teaching hospital. Health and medical services provided for the institution's faculty and staff are also included in this subprogram.

71 Physical Plant Administration. This subprogram consists of those administrative activities carried out in direct support of the institution's physical plant operations. Those activities related to the development of plans for plant expansion or modification as well as for new construction are also included.

72 Building Maintenance. This subprogram consists of those activities related to routine repair and maintenance of buildings and structures, including both normally recurring repairs and preventive maintenance.

73 Custodial Services. This subprogram consists of those activities related to custodial services in institutional buildings.

74 Utilities. This subprogram consists of those activities related to heating, cooling, light and power, gas, water, and any other utilities necessary for the operation of the physical plant.

75 Landscape and Ground Maintenance. This subprogram consists of those activities related to the operation and maintenance of campus landscape and grounds.

76 Major Repairs and Renovations. This subprogram consists of those activities related to major repairs, maintenance, and renovation projects. Major projects are generally defined as each institution wishes. Expenditures which approximate at least 25% of a building's estimated replacement cost should be considered major.

Student Service and Physical Plant Operations Subprograms

Table 14c

INSTITUTION	Stud. Svc. Admin.	Social/ Cultur. Devel.	Coun/ Career Guid.	Finan. Aid Admin.	Student Auxiliary Service	Inter-colleg. Athl.	Stud. Health/ Med. Svc.	Physical Plant Admin.	Build-ing Maint.	Custo-dial Svcs.	Util-ities	Landscp. Grounds Maint.
	51	52	53	54	55	56	57	71	72	73	74	75
Major Research Universities:												
NC State	0.1	2.8	0.2	0.1	27.7	3.5	0.3	0.5	0.8	<0.1	0.5	0.1
NC State Vet.	-	0.1	-	-	3.2	-	-	-	0.2	0.2	-	-
UNC-Chapel Hill	0.1	2.7	0.2	0.1	29.0	7.7	<0.1	0.4	0.8	0.2	0.5	0.2
UNC-Health Aff.	0.1	<0.1	<0.1	<0.1	0.4	-	2.5	-	-	0.2	-	-
SUBTOTAL	0.1	2.4	0.2	0.1	24.2	4.8	0.5	0.4	0.7	0.1	0.4	0.1
Other Doctoral Universities:												
UNC-Greensboro	0.3	4.7	0.4	0.1	36.4	1.3	0.9	0.8	0.4	-	0.1	-
Comprehensive Universities:												
Appalachian	0.3	8.3	0.3	0.1	36.2	1.8	0.7	1.5	0.7	<0.1	0.5	-
East Carolina	0.1	5.7	0.3	0.2	38.7	2.7	<0.1	0.2	0.9	0.1	-	0.1
ECU-Health Aff.	-	-	-	-	-	-	2.6	<0.1	1.6	-	-	-
Fayetteville	0.2	6.1	0.6	0.9	31.8	1.1	0.7	-	1.8	-	-	0.6
NC A & T	0.2	4.3	0.7	0.2	29.6	1.2	0.4	0.3	0.9	<0.1	0.1	<0.1
NC Central	0.1	5.4	0.4	0.3	31.7	3.3	0.5	0.1	0.5	-	-	0.1
UNC-Charlotte	0.2	3.9	0.4	0.1	42.7	0.3	0.5	0.2	0.7	0.1	-	-
UNC-Wilmington	0.4	5.0	0.5	0.2	34.7	5.9	0.2	0.4	0.7	-	0.1	-
West'n Carolina	0.1	6.1	0.3	0.1	32.8	2.4	0.4	0.3	0.8	0.2	<0.1	-
SUBTOTAL	0.2	5.5	0.4	0.2	34.3	2.1	0.5	0.5	0.9	0.1	0.1	0.1
Gen. Baccalaureate Universities:												
Elizabeth City	0.3	5.3	0.3	0.5	32.8	1.7	0.9	0.7	0.6	-	-	-
Pembroke	0.2	9.4	0.6	0.2	29.5	0.2	0.7	0.4	0.8	<0.1	-	0.3
UNC-Asheville	0.1	3.4	0.4	0.2	28.3	1.5	0.3	0.3	0.6	0.1	0.2	0.4
Winston-Salem	0.5	5.8	0.6	0.4	28.3	2.3	0.5	0.3	0.7	0.1	0.2	0.3
SUBTOTAL	0.3	5.9	0.5	0.3	29.7	1.5	0.6	0.4	0.6	0.1	0.1	0.2
Specialized Institution:												
NC Sch. of Arts	0.2	7.4	0.1	0.2	24.6	-	0.6	0.2	0.5	-	-	-
Teaching Hospitals:												
UNC Hosp. at C. Hill	-	-	-	-	-	-	-	-	<0.1	-	-	-
Community Colleges:												
SUBTOTAL	0.4	4.6	1.0	0.2	4.7	<0.1	<0.1	0.1	1.6	<0.1	<0.1	0.3
PRIVATE INSTITUTIONS												
Major Research Universities:												
SUBTOTAL	0.1	4.0	0.1	0.1	24.3	3.0	0.3	0.4	1.0	0.2	0.4	0.2
Gen. Baccalaureate Colleges:												
SUBTOTAL	0.2	8.2	0.2	0.2	37.9	2.5	0.5	0.2	1.4	0.1	<0.1	<0.1
Junior Colleges:												
SUBTOTAL	0.4	8.7	0.2	0.1	41.0	1.9	0.8	0.2	1.4	0.2	-	<0.1
GRAND TOTAL	0.2	5.1	0.4	0.1	26.7	2.4	0.4	0.3	1.1	0.1	0.2	0.1

Student Service and Physical Plant Operations Subprograms

Table 14c

INSTITUTION	Stud. Svc. Admin.	Social/ Cultur. Devel.	Coun/ Career Guid.	Finan. Aid Admin.	Student Auxiliary Service	Inter-colleg. Athl.	Stud. Health/ Med. Svc.	Physical Plant Admin.	Build-ing Maint.	Custo-dial Svcs.	Util-ities	Landscp. Grounds Maint.
	51	52	53	54	55	56	57	71	72	73	74	75
Community Colleges:												
Alamance CC	0.7	<0.1	0.2	0.5	4.4	-	-	0.4	2.7	-	-	-
Anson CC	0.3	5.6	-	0.1	4.1	-	-	-	4.4	-	-	-
Ashev'le-Bun. TCC	<0.1	2.1	0.2	0.1	2.6	-	-	0.3	0.4	-	-	0.3
Beaufort Co. CC	0.2	7.5	1.5	0.1	4.1	-	-	-	5.7	-	-	-
Bladen CC	0.8	16.0	1.2	-	1.4	-	-	-	-	-	-	-
Blue Ridge CC	0.1	4.0	0.9	0.1	7.9	-	-	-	5.0	-	-	1.5
Brunswick CC	1.7	1.8	0.3	0.3	8.3	-	-	-	0.3	-	-	-
Caldwell CC & TI	0.1	8.6	1.2	<0.1	4.5	-	-	-	0.1	-	-	0.1
Cape Fear CC	0.8	2.8	1.4	0.3	5.3	-	-	-	-	-	-	0.1
Carteret CC	0.5	2.1	0.2	0.1	3.6	-	-	0.2	0.2	-	-	-
Catawba Vy. CC	0.1	3.4	1.6	0.1	2.7	-	-	-	-	-	-	-
C. Carolina CC	1.0	0.4	0.9	0.1	5.5	-	<0.1	3.1	-	-	-	-
C. Piedmont CC	0.5	2.3	1.8	0.4	2.7	-	-	0.2	0.8	0.1	<0.1	0.3
Cleveland CC	0.9	6.4	0.1	0.1	2.8	-	-	0.1	1.8	-	-	-
Coastal Car. CC	0.1	2.3	1.8	0.1	5.7	-	-	-	2.3	-	-	-
Col. Albemarle	1.2	5.7	0.2	0.4	1.5	-	-	-	1.4	-	-	-
Craven CC	0.1	3.4	1.0	0.2	3.1	-	-	-	-	-	-	-
Davidson Co. CC	0.2	1.9	1.0	0.1	5.1	-	-	0.1	2.5	-	-	-
Durham TCC	0.2	1.6	1.5	0.2	3.2	-	-	-	2.5	<0.1	-	0.7
Edgecombe CC	0.4	10.9	0.4	-	0.9	-	-	-	-	-	-	-
Fayettev'le TCC	0.9	6.9	1.3	0.1	6.7	-	0.1	0.2	2.0	0.4	-	-
Forsyth TCC	-	4.8	0.6	0.1	6.4	-	-	0.1	2.6	-	-	-
Gaston Col.	0.3	6.3	0.6	0.2	4.9	-	0.1	-	<0.1	-	-	-
Guilford TCC	0.2	4.5	1.1	0.1	4.3	-	<0.1	-	1.5	<0.1	-	0.5
Halifax CC	0.2	5.2	3.2	0.5	7.5	-	-	0.1	2.7	-	-	-
Haywood CC	<0.1	1.6	-	<0.1	3.8	-	-	<0.1	1.5	<0.1	-	2.7
Isothermal CC	0.3	3.0	0.4	-	3.2	-	-	0.5	1.9	0.4	0.4	-
J. Sprunt CC	0.6	4.4	1.9	0.4	6.1	-	-	-	4.4	-	-	-
Johnston CC	0.4	12.5	0.4	0.1	5.2	-	-	-	3.2	<0.1	-	-
Lenoir CC	0.1	2.0	0.2	0.2	3.6	1.3	-	-	0.3	-	-	-
Martin CC	0.4	7.1	1.6	0.1	5.0	-	-	0.2	3.1	-	-	-
Mayland CC	0.5	0.3	0.3	0.4	8.8	-	-	-	0.1	-	-	-
McDowell TCC	0.4	-	1.9	0.2	3.7	-	0.2	-	0.5	-	-	2.4
Mitchell CC	0.4	10.7	1.2	0.3	6.1	-	-	-	0.7	-	-	-
Montgomery CC	0.2	3.5	0.6	0.2	4.7	-	-	-	2.3	-	-	-
Nash CC	0.8	0.5	1.0	0.1	3.4	-	-	-	1.3	0.1	-	-
Pamlico CC	1.1	-	1.1	-	7.0	-	-	-	4.0	-	-	-
Piedmont CC	1.2	0.3	0.1	-	5.6	-	-	-	3.5	-	-	-
Pitt CC	1.2	0.1	0.4	0.2	2.9	<0.1	-	-	0.8	0.2	-	-
Randolph CC	0.9	2.6	1.7	0.1	6.2	-	-	0.3	0.9	-	-	-
Richmond CC	0.8	3.9	1.8	0.1	3.6	-	0.1	-	1.5	-	-	-
Roanoke-Cho. CC	0.3	2.4	1.0	0.3	5.7	-	-	-	-	-	-	5.0
Robeson CC	0.7	10.3	1.3	0.2	7.0	-	-	-	1.4	-	-	-
Rockingham CC	0.2	6.9	0.3	0.1	3.7	-	-	0.1	0.6	-	-	0.2
Rowan-Cab. CC	0.5	-	1.1	0.1	8.8	-	-	-	4.1	-	-	-
Sampson CC	0.2	3.9	0.6	0.2	7.4	-	-	0.2	-	-	-	-
Sandhills CC	0.1	8.0	1.8	0.2	8.0	-	-	-	2.2	0.1	0.1	0.5
Southeastern CC	0.5	3.7	1.4	0.2	5.8	-	-	0.4	0.6	-	-	-
Southwestern CC	0.3	15.5	0.8	0.1	6.6	-	-	-	2.0	-	-	-
Stanly CC	0.1	6.0	1.5	0.1	7.7	-	-	0.1	0.6	-	-	-
Surry CC	0.1	3.1	2.3	0.1	7.8	-	-	0.1	2.4	-	-	-
Tri-County CC	0.9	7.2	0.2	0.1	4.2	-	-	-	-	-	-	-
Vance-Granv. CC	0.2	-	1.2	0.2	4.0	-	-	-	0.7	-	-	-
Wake TCC	0.5	1.9	3.0	0.3	3.9	-	0.1	0.1	3.2	-	-	0.3
Wayne CC	0.3	5.5	0.2	0.4	4.4	-	0.1	-	4.7	-	-	-
W. Piedmont CC	0.8	4.1	0.6	0.2	4.9	-	<0.1	0.2	2.5	0.1	-	1.0
Wilkes CC	0.1	20.4	1.2	0.1	3.2	-	-	0.1	0.5	0.1	-	-
Wilson Co. TC	0.4	2.0	0.7	0.1	3.2	-	0.3	0.1	2.4	-	-	-
TOTAL	0.4	4.6	1.0	0.2	4.7	<0.1	<0.1	0.1	1.6	<0.1	<0.1	0.3

TABLE 14d:
INSTITUTIONAL ADMINISTRATION, INDEPENDENT OPERATIONS, AND UNASSIGNED SUBPROGRAMS

Table 14d indicates the percentages of institutional square footage under the Institutional Administration, Independent Operations, and Unassigned Subprograms. The definitions of these subprograms follow.

61 Executive Management. This subprogram consists of those executive-level activities concerned with the overall management of and long-range planning for the entire institution. Included are the activities of the various administrators involved in policy formulation and executive direction, including those of the governing board, the chief executive officer, and the senior executive officers.

62 Financial Management and Operations. This subprogram consists of those activities related to the day-to-day financial management and fiscal operations of the institution.

63 General Administration and Logistical Services. This subprogram consists of those activities related to the general administrative operations and services of the institution with the exception of those activities related to financial operations, to administrative data processing, and to student records.

64 Administrative Computing Support. This subprogram includes those computer and data processing services that have been established to provide support for institution-wide administrative functions.

65 Faculty and Staff Auxiliary Services. This subprogram includes those support services that have been established primarily to serve the faculty and staff. A fee which is related to but not necessarily equal to the cost of the service rendered is often charged for these services.

66 Public Relations/Development. This subprogram consists of those institutional activities established to maintain relations with the local community, the institution's alumni, governmental entities, and the public in general, as well as those activities carried out to support institution-wide fund raising and development efforts.

67 Student Recruitment and Admissions. This subprgram consists of those activities carried out by an institution that are related to the identification of prospective students, the promotion of attendance at the institution, and the processing of applications for admission to the institution.

68 Student Records. This subprogram includes those activities the institution carries out to maintain, handle, and update records for currently enrolled students as well as for those who were previously enrolled.

91 Independent Operations/Institutional. This subprogram includes those operations that are owned or controlled by the institution but that are unrelated to or independent of the institution's mission. Excluded are those operations managed as investments of the institution's endowment funds.

92 Independent Operations/External Agencies. This subprogram includes those activities that are controlled or operated by outside agencies, but that are housed or otherwise supported in some way by the institution.

01 Capable of Use. This subprogram is limited to rooms that are not in use but are capable of use at the time of the inventory.

02 Incapable of Use. This subprogram is limited to rooms that are not in use at the time of the inventory because they are incapable of use. Included are rooms under alteration or renovation and rooms which have been declared structurally unsafe.

Subprogram 03 (Building Service) is not included in this table (and is not considered as part of Program 00 in Table 14) because it applies to nonassignable area only.

Institutional Administration, Independent Operations & Unassigned Subprograms

Table 14d

INSTITUTION	Exec. Mgmt.	Fin. Mgmt. & Opns.	Gen. Adm. Log. Svc.	Admin. Comput. Spt.	Fac/Staff Aux. Svcs.	Public Rela/ Devel.	Stud. Recruit. Admiss.	Stud. Recd.	Indep. Opns. Inst.	Indep. Opns. Ext. Agency	Unassigned Usable	Unassigned Unusable
	61	62	63	64	65	66	67	68	91	92	01	02
Major Research Universities:												
NC State	0.3	0.6	2.1	0.2	0.2	0.2	0.1	0.1	0.3	0.3	0.1	0.4
NC State Vet.	-	-	0.3	-	-	0.1	-	-	-	-	-	-
UNC-Chapel Hill	0.4	0.7	3.2	0.3	0.6	0.4	0.1	0.2	2.3	2.0	0.9	0.3
UNC-Health Aff.	-	-	0.2	-	<0.1	<0.1	<0.1	<0.1	1.0	3.2	2.4	0.5
SUBTOTAL	0.3	0.6	2.3	0.2	0.3	0.3	0.1	0.1	1.3	1.4	0.8	0.4
Other Doctoral Universities:												
UNC-Greensboro	0.7	0.4	4.8	0.3	0.3	0.8	0.2	-	-	-	-	2.8
Comprehensive Universities:												
Appalachian	0.5	0.4	2.3	0.6	0.5	0.3	0.2	0.3	-	0.1	0.1	0.1
East Carolina	0.2	0.5	2.2	0.8	0.3	0.7	0.1	0.2	-	0.2	0.1	<0.1
ECU-Health Aff.	-	-	-	-	-	0.9	-	-	-	-	-	-
Fayetteville	1.4	1.1	3.1	-	2.6	0.2	0.4	0.3	<0.1	0.3	-	-
NC A & T	1.2	1.0	1.4	0.1	1.0	0.3	0.1	0.1	-	0.6	-	-
NC Central	0.7	0.5	2.3	0.7	1.0	0.2	0.2	0.1	-	0.1	1.1	0.3
UNC-Charlotte	0.9	0.6	2.2	0.3	0.6	0.2	0.3	0.1	-	-	-	-
UNC-Wilmington	1.0	1.1	3.0	0.4	1.3	0.3	0.3	0.2	-	0.3	-	3.8
West'n Carolina	0.7	0.3	3.4	0.3	3.3	0.5	0.2	0.2	-	3.6	1.2	1.3
SUBTOTAL	0.7	0.6	2.3	0.4	1.1	0.4	0.2	0.2	<0.1	0.7	0.3	0.5
Gen. Baccalaureate Universities:												
Elizabeth City	1.3	0.8	2.6	0.3	3.4	0.4	0.2	0.3	-	0.2	1.1	-
Pembroke	0.8	0.5	3.5	1.0	1.8	0.8	0.4	0.3	-	-	0.1	-
UNC-Asheville	0.9	0.8	1.5	<0.1	1.2	0.3	0.4	0.3	-	1.2	0.1	7.8
Winston-Salem	0.7	1.0	2.7	-	2.0	1.3	0.3	0.3	-	0.1	4.5	4.6
SUBTOTAL	1.0	0.8	2.6	0.3	2.1	0.7	0.3	0.3	-	0.4	1.6	3.1
Specialized Institution:												
NC Sch. of Arts	0.7	0.2	0.9	0.1	2.2	0.4	0.3	0.2	0.5	-	-	5.0
Teaching Hospitals:												
UNC Hosp. at C. H.	-	-	<0.1	-	-	-	-	-	-	-	0.2	1.2
Community Colleges:												
SUBTOTAL	1.3	1.0	3.4	0.3	0.6	0.3	0.3	0.6	0.1	0.4	0.7	0.9
PRIVATE INSTITUTIONS												
Major Research Universities:												
SUBTOTAL	0.4	0.4	2.9	0.3	1.3	0.7	0.2	0.1	1.8	1.9	-	0.6
Gen. Baccalaureate Colleges:												
SUBTOTAL	0.7	0.4	2.3	0.2	6.8	0.7	0.4	0.2	0.3	0.4	0.6	0.9
Junior Colleges:												
SUBTOTAL	0.6	0.5	2.1	<0.1	4.9	0.7	0.5	0.2	-	0.2	0.2	0.4
GRAND TOTAL	0.7	0.6	2.6	0.3	2.1	0.5	0.3	0.2	0.6	0.8	0.5	0.8

Institutional Administration, Independent Operations & Unassigned Subprograms

Table 14d

INSTITUTION	Exec. Mgmt.	Fin. Mgmt. & Opns.	Gen. Adm. Log. Svc.	Admin. Comput. Spt.	Fac/Staff Aux. Svcs.	Public Rela/ Devel.	Stud. Recruit. Admiss.	Stud. Recd.	Indep. Opns. Inst.	Indep. Opns. Ext. Agency	Unassigned Usable	Unassigned Unusable
	61	62	63	64	65	66	67	68	91	92	01	02
Community Colleges:												
Alamance CC	1.3	1.2	1.8	0.1	0.8	0.5	0.2	0.4	-	-	0.1	0.9
Anson CC	2.0	1.7	4.2	0.2	-	-	-	-	-	-	5.9	5.4
Asheville-Bun. TCC	0.9	0.5	4.5	0.1	0.2	0.3	0.1	0.3	-	-	0.4	4.3
Beaufort Co. CC	2.0	1.1	4.7	0.2	0.4	0.4	0.4	0.9	-	-	1.6	-
Bladen CC	1.8	1.2	5.7	0.3	0.1	-	-	0.2	-	0.9	1.9	-
Blue Ridge CC	0.8	1.5	1.4	0.1	0.7	0.2	-	0.5	-	0.1	-	-
Brunswick CC	2.0	0.9	3.3	0.3	0.8	0.2	0.1	0.2	-	2.3	15.2	2.7
Caldwell CC & TI	0.8	1.0	5.1	0.3	-	0.2	1.0	0.3	-	-	1.4	-
Cape Fear CC	1.1	2.2	3.6	0.3	0.1	0.2	0.4	0.4	-	0.2	-	-
Carteret CC	1.6	0.6	14.2	0.3	0.2	-	-	0.2	-	13.2	-	5.1
Catawba Vy. CC	0.5	1.0	6.9	0.2	0.5	0.1	-	0.7	-	0.7	-	-
C. Carolina CC	1.4	1.0	0.7	-	0.1	-	-	0.9	-	-	-	-
C. Piedmont CC	0.5	1.0	2.5	0.5	1.2	0.7	0.1	1.4	-	-	-	1.4
Cleveland CC	1.8	0.6	3.1	-	0.7	0.5	0.1	0.3	-	-	0.5	-
Coastal Car. CC	1.0	1.0	1.7	0.3	0.5	0.1	0.1	0.5	-	-	-	-
Col. Albemarle	1.3	0.9	2.1	0.2	0.3	0.2	0.1	0.5	-	-	-	-
Craven CC	1.1	1.2	1.7	-	0.3	0.4	-	0.4	-	-	-	-
Davidson Co. CC	1.5	0.8	1.0	0.3	1.5	0.3	0.2	0.5	-	0.5	-	-
Durham TCC	1.6	1.3	3.2	1.7	1.1	0.4	0.8	0.5	-	1.7	-	-
Edgecombe CC	2.1	0.7	1.8	-	0.2	0.1	0.5	0.5	-	-	5.9	2.3
Fayettev'le TCC	1.2	1.5	3.2	0.4	0.4	0.3	0.8	0.7	-	-	-	-
Forsyth TCC	1.7	0.6	1.8	0.1	0.1	<0.1	0.7	0.5	-	0.1	-	-
Gaston Col.	1.4	0.6	3.5	-	0.2	0.1	0.3	0.2	-	-	0.2	-
Guilford TCC	1.4	0.6	3.1	0.3	0.4	0.2	0.4	0.5	0.5	1.5	0.3	-
Halifax CC	1.0	0.5	4.7	0.3	0.6	0.5	0.7	1.0	-	-	0.2	-
Haywood CC	0.7	0.4	1.9	0.1	0.2	-	0.2	0.1	-	0.1	-	1.1
Isothermal CC	1.3	1.1	2.8	0.1	0.1	0.2	0.2	0.6	-	-	-	-
J. Sprunt CC	1.8	1.9	1.8	-	0.3	-	-	1.3	-	-	-	-
Johnston CC	0.7	0.8	1.7	0.2	0.3	-	0.1	0.2	-	-	-	-
Lenoir CC	0.6	1.4	4.4	0.2	0.8	-	1.1	0.4	-	-	-	5.5
Martin CC	0.9	0.9	1.8	1.3	0.3	-	-	0.4	-	0.5	-	-
Mayland CC	2.4	1.3	7.4	1.1	-	-	0.2	0.2	-	-	-	-
McDowell TCC	1.2	1.7	4.0	0.3	0.1	0.2	-	0.2	-	-	-	-
Mitchell CC	1.1	1.3	2.3	-	1.2	1.0	0.2	0.8	-	1.2	3.4	0.6
Montgomery CC	2.3	1.6	3.0	-	-	-	0.2	0.5	-	-	2.9	-
Nash CC	1.1	0.8	1.8	0.5	0.7	0.2	0.5	0.2	-	-	-	-
Pamlico CC	2.7	3.0	3.1	0.2	-	-	-	0.3	-	-	-	-
Piedmont CC	3.4	1.4	8.0	0.3	2.4	0.4	0.1	0.6	-	1.2	-	-
Pitt CC	0.7	1.0	2.3	0.6	0.6	0.2	0.1	0.6	-	-	0.2	-
Randolph CC	1.5	1.1	4.9	0.2	0.8	-	-	0.9	-	-	0.1	-
Richmond CC	3.9	1.1	4.1	0.1	0.2	0.5	0.1	0.6	-	-	-	-
Roanoke-Cho. CC	1.8	1.1	2.1	0.3	0.5	0.3	0.4	0.3	-	-	10.9	-
Robeson CC	1.5	1.2	5.2	0.4	0.4	0.1	1.3	0.8	-	-	-	-
Rockingham CC	1.0	1.0	3.8	0.7	0.9	0.3	0.4	0.4	-	<0.1	0.2	-
Rowan-Cab. CC	0.7	1.6	1.9	-	0.1	-	0.8	0.2	-	-	-	-
Sampson CC	2.8	2.3	5.2	0.3	-	0.2	0.2	1.3	-	-	-	-
Sandhills CC	1.1	0.3	1.6	0.4	2.6	0.2	0.3	0.4	-	<0.1	0.3	0.1
Southeastern CC	0.9	1.4	3.9	0.2	-	0.4	0.4	0.5	-	-	-	-
Southwestern CC	0.8	1.2	5.1	0.3	0.3	0.2	0.3	1.4	-	1.1	1.9	-
Stanly CC	3.3	1.3	2.2	0.2	-	0.6	0.5	1.5	-	-	-	-
Surry CC	0.5	1.0	1.8	0.6	0.6	0.1	0.1	-	-	-	-	-
Tri-County CC	0.8	0.7	3.4	0.1	0.1	-	-	0.4	-	-	-	-
Vance-Granv. CC	1.1	1.1	5.0	-	0.2	0.7	1.6	0.4	-	-	4.3	-
Wake TCC	2.0	0.6	5.5	0.7	1.2	0.3	0.3	0.8	-	-	0.5	1.5
Wayne CC	1.3	0.6	1.8	0.4	0.9	0.1	0.3	0.3	-	-	0.9	5.7
W. Piedmont CC	0.9	0.7	3.0	0.6	-	2.5	0.2	0.5	-	-	-	7.1
Wilkes CC	1.5	1.0	5.4	0.2	0.1	0.1	0.4	0.1	3.8	-	-	-
Wilson Co. TC	2.2	1.8	2.5	-	0.4	0.2	<0.1	1.0	-	-	-	-
TOTAL	1.3	1.0	3.4	0.3	0.6	0.3	0.3	0.6	0.1	0.4	0.7	0.9

TABLE 15:
ASSIGNABLE AREA BY ROOM CODES

Just as all assignable space can be categorized by program (Table 14), it can also be classified by type of room. A system of codes has been developed which includes virtually all types of rooms which can be found at a college or university. The room code system is summarized on page 118; specific definitions can be found in the Higher Education Facilities Commission's Facilities Inventory and Utilization Manual (fourth edition).

Table 15 provides percentage distributions among the ten major room code divisions. In theory, the sums of the percentages should always equal to 100.0, but they do not for some institutions because of rounding.

The data from the 1974 HEGIS facilities survey, conducted by the National Center for Education Statistics, serve as the basis for norms. The following chart reports these norms and summarizes the corresponding data from Table 15. These norms are not applicable to the public two-year institutions because they have almost no residential space. For these schools, the subtotal for "Community Colleges" in Table 15 may serve as a norm.

Room Code	Norm	All N. C. Institutions 1990
Classroom (Series 100)	8.0	7.8
Laboratory (Series 200)	14.5	15.2
Office (Series 300)	13.0	16.5
Study (Series 400)	6.8	7.5
Special Use (Series 500)	8.9	9.0
General Use (Series 600)	12.0	12.7
Supporting (Series 700)	6.5	4.6
Health Care (Series 800)	1.4	2.6
Residential (Series 900)	26.7	22.8
Unclassified (Series 000)	2.2	1.2

ROOM CODES

100 Classroom Facilities
110 Classroom
115 Classroom Service

200 Laboratory Facilities
210 Class Laboratory
215 Class Laboratory Service
220 Special Class Laboratory
225 Special Class Laboratory Service
230 Individual Study Laboratory
235 Individual Study Laboratory Service
250 Nonclass Laboratory
255 Nonclass Laboratory Service

300 Office Facilities
310 Office
315 Office Service
350 Conference Room (Office Related)
355 Conference Room Service (Office Related)

400 Study Facilities
410 Reading/Study Room
420 Stack
430 Open Stack Reading Room
440 Processing Room
455 Study Service

500 Special Use Facilities
510 Armory
515 Armory Service
520 Athletic/Physical Education
523 Athletic Facilities Spectator Seating
525 Athletic/Physical Education Service
530 Audiovisual, Radio, TV
535 Audiovisual, Radio, TV Service
540 Clinic (Nonhealth Professions)
550 Demonstration
555 Demonstration Service
560 Field Building
570 Animal Quarters
575 Animal Quarters Service
580 Greenhouse
585 Greenhouse Service
590 Other

600 General Use Facilities
610 Assembly
615 Assembly Service
620 Exhibition
625 Exhibition Service
630 Food Facilities
635 Food Facilities Service
650 Lounge
655 Lounge Service
660 Merchandising Facilities
665 Merchandising Facilities Service
670 Recreation
675 Recreation Service
680 Meeting Room
685 Meeting Room Service
690 Locker Room

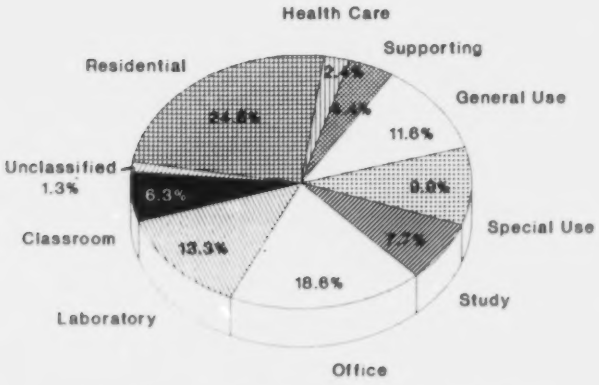
700 Supporting Facilities
710 Data Processing/Computer
715 Data Processing/Computer Service
720 Shop
725 Shop Service
730 Storage
735 Storage Service
740 Vehicle Storage Facility
745 Vehicle Storage Facility Service
750 Central Food Store
760 Central Laundry

800 Health Care Facilities
810 Patient Bedroom
820 Patient Bath
830 Nurse Station
840 Surgery
850 Treatment
860 Service Laboratory
870 Supplies
880 Public Waiting
895 Health Care Service

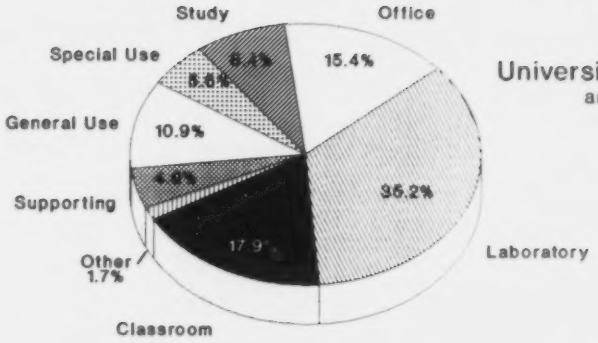
900 Residential Facilities
910 Sleep/Study without Toilet/Bath
919 Toilet/Bath
920 Sleep/Study with Toilet/Bath
935 Sleep/Study Service
950 Apartment
955 Apartment Service
970 House

000 Unclassified Facilities
050 Inactive Area
060 Alteration Area
070 Unfinished Area

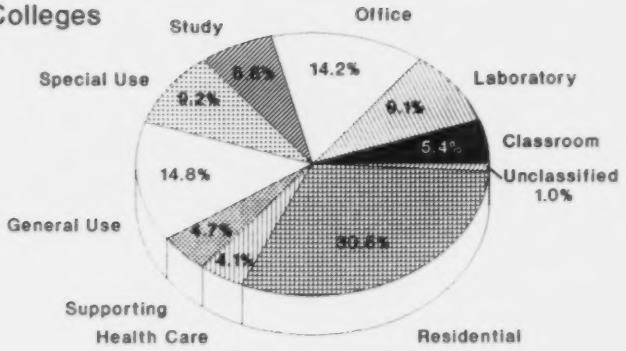
PERCENTAGE DISTRIBUTION OF ASSIGNABLE AREA BY ROOM CODES



University of North Carolina Campuses
and UNC Hospitals at Chapel Hill



Community Colleges



Private Institutions

Assignable Area by Room Codes

Table 15

INSTITUTION	Total Assignable Area	Classroom Facilities (100)		Laboratory Facilities (200)		Office Facilities (300)		Study Facilities (400)	
		ASF	%	ASF	%	ASF	%	ASF	%
Major Research Universities:									
NC State	4,224,775	207,435	4.9	905,637	21.4	860,252	20.4	173,622	4.1
NC State Vet.	222,771	7,724	3.5	49,067	22.0	31,779	14.3	13,269	6.0
UNC-Chapel Hill	4,533,609	219,425	4.8	365,275	8.1	808,031	17.8	614,945	13.6
UNC-Health Aff.	1,364,722	57,590	4.2	448,666	32.9	507,699	37.2	69,548	5.1
SUBTOTAL	10,345,877	492,174	4.8	1,768,645	17.1	2,207,761	21.3	871,384	8.4
Other Doctoral Universities:									
UNC-Greensboro	1,796,719	118,917	6.6	167,223	9.3	321,287	17.9	144,288	8.0
Comprehensive Universities:									
Appalachian	1,996,786	162,924	8.2	154,373	7.7	319,125	16.0	109,461	5.5
East Carolina	2,111,709	185,088	8.8	260,024	12.3	341,940	16.2	133,258	6.3
ECU-Health Aff.	387,357	30,251	7.8	120,410	31.1	104,737	27.0	38,195	9.9
Fayetteville	556,573	40,914	7.4	60,068	10.8	87,097	15.6	58,719	10.6
NC A & T	1,429,768	106,770	7.5	242,973	17.0	258,918	18.1	59,625	4.2
NC Central	1,013,452	103,242	10.2	85,237	8.4	169,802	16.8	108,397	10.7
UNC-Charlotte	1,548,767	95,126	6.1	218,396	14.1	252,335	16.3	127,578	8.2
UNC-Wilmington	983,391	64,038	6.5	76,611	7.8	163,890	16.7	116,871	11.9
West'n Carolina	1,599,169	91,902	5.7	129,802	8.1	205,675	12.9	118,028	7.4
SUBTOTAL	11,626,972	880,255	7.6	1,347,894	11.6	1,903,519	16.4	870,132	7.5
Gen. Baccalaureate Universities:									
Elizabeth City	553,705	39,500	7.1	64,794	11.7	77,553	14.0	38,690	7.0
Pembroke	478,845	49,080	10.2	39,678	8.3	77,330	16.1	31,629	6.6
UNC-Asheville	497,753	49,086	9.9	58,172	11.7	73,221	14.7	51,997	10.4
Winston-Salem	614,276	61,758	10.1	41,766	6.8	102,796	16.7	36,785	6.0
SUBTOTAL	2,144,579	199,424	9.3	204,410	9.5	330,900	15.4	159,101	7.4
Specialized Institution:									
NC Sch. of Arts	417,471	20,211	4.8	107,675	25.8	43,389	10.4	18,631	4.5
Teaching Hospitals:									
UNC Hosp. at C. Hill	717,100	1,564	0.2	650	0.1	213,554	29.8	5,854	0.8
Community Colleges:									
SUBTOTAL	8,756,379	1,569,551	17.9	3,082,716	35.2	1,352,107	15.4	732,832	8.4
PRIVATE INSTITUTIONS									
Major Research Universities:									
SUBTOTAL	7,646,604	246,954	3.2	984,142	12.9	1,609,206	21.0	575,063	7.5
Gen. Baccalaureate Colleges:									
SUBTOTAL	11,118,551	751,268	6.8	742,018	6.7	1,129,693	10.2	719,359	6.5
Junior Colleges:									
SUBTOTAL	1,308,024	95,308	7.3	108,367	8.3	113,054	8.6	76,397	5.8
GRAND TOTAL	55,878,276	4,375,626	7.8	8,513,740	15.2	9,224,470	16.5	4,173,041	7.5

Assignable Area by Room Codes

Table 15

Special Use Facilities (500)		General Use Facilities (600)		Supporting Facilities (700)		Health Care Facilities (800)		Residential Facilities (900)		Unclassified Facilities (000)		INSTITUTION
ASF	%	ASF	%	ASF	%	ASF	%	ASF	%	ASF	%	
												Major Research Universities:
506,915	12.0	363,560	8.6	201,963	4.8	11,351	0.3	971,810	23.0	22,230	0.5	NC State
50,536	22.7	11,080	5.0	6,563	2.9	52,753	23.7	-	-	-	-	NC State Vet.
524,816	11.6	517,861	11.4	273,380	6.0	-	-	1,156,387	25.5	53,489	1.2	UNC-Chapel Hill
75,089	5.5	46,709	3.4	32,757	2.4	93,805	6.9	430	<0.1	32,429	2.4	UNC-Health Aff.
1,157,356	11.2	939,210	9.1	514,663	5.0	157,909	1.5	2,128,627	20.6	108,148	1.0	SUBTOTAL
												Other Doctoral Universities:
98,611	5.5	291,344	16.2	102,577	5.7	9,409	0.5	492,036	27.4	51,027	2.8	UNC-Greensboro
												Comprehensive Universities:
205,168	10.3	321,873	16.1	103,828	5.2	11,973	0.6	605,542	30.3	2,519	0.1	Appalachian
167,203	7.9	225,904	10.7	71,355	3.4	-	-	725,682	34.4	1,255	0.1	East Carolina
30,186	7.8	8,895	2.3	15,880	4.1	38,803	10.0	-	-	-	-	ECU-Health Aff.
46,721	8.4	86,441	15.5	27,140	4.9	3,891	0.7	145,582	26.2	-	-	Fayetteville
198,894	13.9	166,545	11.6	34,716	2.4	6,016	0.4	355,311	24.9	-	-	NC A & T
136,655	13.5	102,224	10.1	34,890	3.4	4,727	0.5	258,731	25.5	9,547	0.9	NC Central
98,362	6.4	210,719	13.6	35,900	2.3	6,779	0.4	503,572	32.5	-	-	UNC-Charlotte
102,901	10.5	100,359	10.2	30,744	3.1	1,219	0.1	288,913	29.4	37,845	3.8	UNC-Wilmington
197,084	12.3	248,665	15.5	75,458	4.7	4,279	0.3	507,018	31.7	21,258	1.3	West'n Carolina
1,183,174	10.2	1,471,625	12.7	429,911	3.7	77,687	0.7	3,390,351	29.2	72,424	0.6	SUBTOTAL
												Gen. Baccalaureate Universities:
68,950	12.5	85,597	15.5	15,323	2.8	4,862	0.9	158,237	28.6	199	<0.1	Elizabeth City
61,704	12.9	84,645	17.7	21,384	4.5	2,965	0.6	110,430	23.1	-	-	Pembroke
34,221	6.9	58,399	11.7	17,825	3.6	1,192	0.2	114,401	23.0	39,239	7.9	UNC-Asheville
66,407	10.8	90,728	14.8	23,455	3.8	2,500	0.4	138,259	22.5	49,822	8.1	Winston-Salem
231,282	10.8	319,369	14.9	77,987	3.6	11,519	0.5	521,327	24.3	89,260	4.2	SUBTOTAL
												Specialized Institution:
12,565	3.0	77,111	18.5	23,063	5.5	1,814	0.4	92,288	22.1	20,724	5.0	NC Sch. of Arts
												Teaching Hospitals:
1,730	0.2	41,429	5.8	43,936	6.1	395,661	55.2	4,199	0.6	8,523	1.2	UNC Hosp. at C. Hill
												Community Colleges:
487,604	5.6	954,983	10.9	429,531	4.9	1,796	<0.1	9,527	0.1	135,732	1.6	SUBTOTAL
						PRIVATE INSTITUTIONS						
												Major Research Universities:
462,448	6.0	824,647	10.8	479,734	6.3	774,152	10.1	1,644,915	21.5	45,343	0.6	SUBTOTAL
												Gen. Baccalaureate Colleges:
1,259,602	11.3	1,908,464	17.2	420,274	3.8	41,279	0.4	3,990,199	35.9	156,395	1.4	SUBTOTAL
												Junior Colleges:
134,363	10.3	242,226	18.5	43,362	3.3	8,818	0.7	477,963	36.5	8,166	0.6	SUBTOTAL
5,028,735	9.0	7,070,408	12.7	2,565,038	4.6	1,480,044	2.6	12,751,432	22.8	695,742	1.2	GRAND TOTAL

Assignable Area by Room Codes

Table 15

INSTITUTION	Total Assignable Area	Classroom Facilities (100)		Laboratory Facilities (200)		Office Facilities (300)		Study Facilities (400)	
		ASF	%	ASF	%	ASF	%	ASF	%
Community Colleges:									
Alamance CC	138,552	27,481	19.8	57,232	41.3	20,996	15.2	7,884	5.7
Anson CC	59,248	7,138	12.0	17,806	30.1	9,961	16.8	7,668	12.9
Asheville-Bun. TCC	289,810	72,612	25.1	107,459	37.1	33,694	11.6	9,885	3.4
Beaufort Co. CC	100,114	16,035	16.0	34,449	34.4	16,843	16.8	8,925	8.9
Bladen CC	79,000	10,041	12.7	33,470	42.4	9,380	11.9	5,240	6.6
Blue Ridge CC	122,410	21,384	17.5	46,382	37.9	13,396	10.9	10,734	8.8
Brunswick CC	111,311	16,169	14.5	25,660	23.1	16,639	14.9	13,869	12.5
Caldwell CC & TI	150,289	22,532	15.0	58,074	38.6	21,094	14.0	12,941	8.6
Cape Fear CC	152,509	19,674	12.9	67,833	44.5	31,512	20.7	13,699	9.0
Carteret CC	126,258	17,646	14.0	39,686	31.4	11,347	9.0	6,961	5.5
Catawba Vy. CC	202,756	38,838	19.2	84,355	41.6	28,372	14.0	17,661	8.7
C. Carolina CC	129,622	22,605	17.4	61,132	47.2	20,991	16.2	8,759	6.8
C. Piedmont CC	524,444	100,499	19.2	190,969	36.4	91,474	17.4	53,437	10.2
Cleveland CC	135,751	22,630	16.7	45,297	33.4	17,733	13.1	13,500	9.9
Coastal Car. CC	159,731	25,682	16.1	68,584	42.9	23,530	14.7	15,190	9.5
Col. Albemarle	119,278	17,884	15.0	39,052	32.7	17,895	15.0	12,942	10.9
Craven CC	105,676	24,938	23.6	40,704	38.5	14,572	13.8	14,418	13.6
Davidson Co. CC	146,861	28,755	19.6	43,366	29.5	23,375	15.9	16,094	11.0
Durham TCC	160,358	29,945	18.7	60,906	38.0	29,072	18.1	13,147	8.2
Edgecombe CC	106,993	23,476	21.9	33,173	31.0	15,635	14.6	9,608	9.0
Fayettev'le TCC	294,533	50,942	17.3	87,526	29.7	60,815	20.6	14,761	5.0
Forsyth TCC	309,053	62,243	20.1	116,053	37.6	46,417	15.0	20,244	6.6
Gaston Col.	199,612	44,853	22.5	79,128	39.6	31,437	15.7	9,772	4.9
Guilford TCC	419,736	88,597	21.1	144,321	34.4	67,592	16.1	29,902	7.1
Halifax CC	96,610	16,383	17.0	30,637	31.7	19,340	20.0	11,571	12.0
Haywood CC	197,462	16,124	8.2	100,954	51.1	19,771	10.0	7,038	3.6
Isothermal CC	169,423	27,671	16.3	59,576	35.2	18,878	11.1	11,331	6.7
J. Sprunt CC	86,453	13,694	15.8	33,313	38.5	18,435	21.3	4,368	5.1
Johnston CC	140,157	26,807	19.1	46,805	33.4	13,584	9.7	9,497	6.8
Lenoir CC	173,585	33,248	19.2	43,849	25.3	24,457	14.1	19,457	11.2
Martin CC	111,911	11,372	10.2	49,058	43.8	13,770	12.3	13,448	12.0
Mayland CC	59,327	11,954	20.1	13,704	23.1	10,972	18.5	8,531	14.4
McDowell TCC	72,456	16,207	22.4	31,922	44.1	11,096	15.3	4,962	6.8
Mitchell CC	178,590	31,555	17.7	49,622	27.8	24,329	13.6	14,350	8.0
Montgomery CC	50,518	6,529	12.9	24,853	49.2	6,572	13.0	3,043	6.0
Nash CC	127,992	31,834	24.9	57,450	44.9	21,570	16.9	4,400	3.4
Pamlico CC	28,725	4,363	15.2	11,183	38.9	4,488	15.6	3,916	13.6
Piedmont CC	98,191	12,869	13.1	27,060	27.6	14,708	15.0	7,377	7.5
Pitt CC	153,853	25,716	16.7	62,359	40.5	26,437	17.2	19,711	12.8
Randolph CC	141,525	25,470	18.0	57,893	40.9	23,356	16.5	9,826	6.9
Richmond CC	114,325	17,672	15.5	42,869	37.5	23,758	20.8	11,452	10.0
Roanoke-Cho. CC	83,595	14,375	17.2	29,553	35.4	11,344	13.6	7,512	9.0
Robeson CC	136,227	20,819	15.3	47,201	34.6	23,785	17.5	11,391	8.4
Rockingham CC	192,840	33,579	17.4	60,078	31.2	24,300	12.6	12,697	6.6
Rowan-Cab. CC	146,324	34,433	23.5	46,451	31.7	22,700	15.5	15,163	10.4
Sampson CC	87,516	13,148	15.0	30,135	34.4	18,449	21.1	10,424	11.9
Sandhills CC	198,868	36,589	18.4	50,841	25.6	33,107	16.6	19,753	9.9
Southeastern CC	127,353	22,250	17.5	43,598	34.2	20,974	16.5	12,929	10.2
Southwestern CC	143,013	24,135	16.9	32,749	22.9	26,734	18.7	10,015	7.0
Stanly CC	73,728	15,516	21.0	26,741	36.3	13,368	18.1	5,223	7.1
Surry CC	133,845	21,386	16.0	44,693	33.4	17,497	13.1	11,261	8.4
Tri-County CC	82,943	17,944	21.6	35,590	42.9	7,447	9.0	6,222	7.5
Vance-Granv. CC	126,717	21,808	17.2	42,214	33.3	18,796	14.8	9,715	7.7
Wake TCC	246,431	48,209	19.6	70,000	28.4	49,078	19.9	30,624	12.4
Wayne CC	215,113	40,936	19.0	63,021	29.3	31,195	14.5	24,447	11.4
W. Piedmont CC	133,905	23,601	17.6	38,799	29.0	23,633	17.6	13,216	9.9
Wilkes CC	165,536	23,189	14.0	42,365	25.6	20,512	12.4	10,904	6.6
Wilson Co. TC	117,417	15,567	13.3	52,963	45.1	19,895	16.9	9,817	8.4
TOTAL	8,756,379	1,569,551	17.9	3,082,716	35.2	1,352,107	15.4	732,832	8.4

Assignable Area by Room Codes

Table 15

Special Use Facilities (500)		General Use Facilities (600)		Supporting Facilities (700)		Health Care Facilities (800)		Residential Facilities (900)		Unclassified Facilities (000)		INSTITUTION
ASF	%	ASF	%	ASF	%	ASF	%	ASF	%	ASF	%	
												Community Colleges:
6,886	5.0	10,261	7.4	5,871	4.2	-	-	627	0.5	1,314	0.9	Alamance CC
240	0.4	4,961	8.4	4,769	8.0	-	-	-	-	6,705	11.3	Anson CC
25,023	8.6	14,001	4.8	13,683	4.7	-	-	-	-	13,453	4.6	Ashev'le-Bun. TCC
955	1.0	11,880	11.9	9,398	9.4	-	-	-	-	1,629	1.6	Beaufort Co. CC
253	0.3	14,649	18.5	4,535	5.7	-	-	-	-	1,432	1.8	Bladen CC
6,002	4.9	15,359	12.5	9,153	7.5	-	-	-	-	-	-	Blue Ridge CC
1,714	1.5	14,198	12.8	3,741	3.4	-	-	-	-	19,321	17.4	Brunswick CC
15,373	10.2	11,530	7.7	6,693	4.5	-	-	-	-	2,052	1.4	Caldwell CC & TI
2,189	1.4	14,798	9.7	2,547	1.7	-	-	257	0.2	-	-	Cape Fear CC
1,275	1.0	23,327	18.5	19,592	15.5	-	-	-	-	6,424	5.1	Carteret CC
7,222	3.6	14,854	7.3	11,454	5.6	-	-	-	-	-	-	Catawba Vy. CC
3,474	2.7	8,235	6.4	4,391	3.4	35	<0.1	-	-	-	-	C. Carolina CC
32,257	6.2	32,667	6.2	12,919	2.5	-	-	2,737	0.5	7,485	1.4	C. Piedmont CC
11,752	8.7	16,734	12.3	7,873	5.8	-	-	-	-	232	0.2	Cleveland CC
4,032	2.5	16,478	10.3	6,235	3.9	-	-	-	-	-	-	Coastal Car. CC
726	0.6	27,169	22.8	3,610	3.0	-	-	-	-	-	-	Col. Albemarle
1,797	1.7	7,909	7.5	1,338	1.3	-	-	-	-	-	-	Craven CC
17,932	12.2	12,636	8.6	4,703	3.2	-	-	-	-	-	-	Davidson Co. CC
3,260	2.0	14,525	9.1	9,503	5.9	-	-	-	-	-	-	Durham TCC
1,346	1.3	13,820	12.9	1,171	1.1	-	-	-	-	8,764	8.2	Edgecombe CC
17,998	6.1	40,104	13.6	22,009	7.5	378	0.1	-	-	-	-	Fayettev'le TCC
17,655	5.7	35,896	11.6	10,545	3.4	-	-	-	-	-	-	Forsyth TCC
6,079	3.0	23,984	12.0	4,080	2.0	279	0.1	-	-	-	-	Gaston Col.
19,659	4.7	44,547	10.6	23,987	5.7	84	<0.1	-	-	1,047	0.2	Guilford TCC
1,069	1.1	12,693	13.1	4,917	5.1	-	-	-	-	-	-	Halifax CC
30,586	15.5	11,163	5.7	9,338	4.7	-	-	233	0.1	2,255	1.1	Haywood CC
29,363	17.3	13,121	7.7	9,483	5.6	-	-	-	-	-	-	Isothermal CC
2,969	3.4	9,590	11.1	4,084	4.7	-	-	-	-	-	-	J. Sprunt CC
13,061	9.3	24,817	17.7	5,586	4.0	-	-	-	-	-	-	Johnston CC
21,655	12.5	14,530	8.4	6,632	3.8	-	-	125	0.1	9,632	5.5	Lenoir CC
5,808	5.2	11,890	10.6	6,565	5.9	-	-	-	-	-	-	Martin CC
4,989	8.4	5,493	9.3	3,684	6.2	-	-	-	-	-	-	Mayland CC
1,127	1.6	3,992	5.5	3,040	4.2	110	0.2	-	-	-	-	McDowell TCC
16,836	9.4	29,534	16.5	5,438	3.0	-	-	-	-	6,926	3.9	Mitchell CC
1,538	3.0	4,096	8.1	2,436	4.8	-	-	-	-	1,451	2.9	Montgomery CC
-	-	9,206	7.2	3,532	2.8	-	-	-	-	-	-	Nash CC
465	1.6	2,114	7.4	2,196	7.6	-	-	-	-	-	-	Pamlico CC
12,031	12.3	13,401	13.6	10,745	10.9	-	-	-	-	-	-	Piedmont CC
8,532	5.5	6,818	4.4	3,979	2.6	-	-	-	-	301	0.2	Pitt CC
4,769	3.4	12,650	8.9	7,381	5.2	-	-	-	-	180	0.1	Randolph CC
1,445	1.3	11,551	10.1	5,478	4.8	100	0.1	-	-	-	-	Richmond CC
1,087	1.3	6,994	8.4	5,504	6.6	-	-	-	-	7,226	8.6	Roanoke-Cho. CC
1,747	1.3	24,982	18.3	6,302	4.6	-	-	-	-	-	-	Robeson CC
28,747	14.9	23,607	12.2	9,600	5.0	-	-	-	-	232	0.1	Rockingham CC
3,597	2.5	16,413	11.2	7,567	5.2	-	-	-	-	-	-	Rowan-Cab. CC
1,140	1.3	10,003	11.4	4,217	4.8	-	-	-	-	-	-	Sampson CC
12,264	6.2	31,842	16.0	8,132	4.1	-	-	5,548	2.8	792	0.4	Sandhills CC
10,138	8.0	11,872	9.3	5,592	4.4	-	-	-	-	-	-	Southeastern CC
7,855	5.5	30,609	21.4	8,180	5.7	-	-	-	-	2,736	1.9	Southwestern CC
1,444	2.0	10,282	13.9	1,154	1.6	-	-	-	-	-	-	Stanly CC
17,796	13.3	15,343	11.5	5,869	4.4	-	-	-	-	-	-	Surry CC
-	-	13,749	16.6	1,991	2.4	-	-	-	-	-	-	Tri-County CC
2,764	2.2	20,823	16.4	5,111	4.0	-	-	-	-	5,486	4.3	Vance-Granv. CC
4,855	2.0	18,717	7.6	19,627	8.0	328	0.1	-	-	4,993	2.0	Wake TCC
3,643	1.7	24,368	11.3	13,165	6.1	131	0.1	-	-	14,207	6.6	Wayne CC
5,100	3.8	12,628	9.4	7,417	5.5	54	<0.1	-	-	9,457	7.1	W. Piedmont CC
22,615	13.7	34,532	20.9	11,419	6.9	-	-	-	-	-	-	Wilkes CC
1,470	1.3	7,038	6.0	10,370	8.8	297	0.3	-	-	-	-	Wilson Co. TC
487,604	5.6	954,983	10.9	429,531	4.9	1,796	<0.1	9,527	0.1	135,732	1.6	TOTAL

TABLE 16:

ASSIGNABLE SQUARE FEET PER STUDENT STATION FOR CLASSROOMS

The number of students that a classroom can accommodate is an important factor in determining how efficiently classroom space is used. This can be measured in terms of assignable square feet per student station and the average number of stations per classroom.

The assignable square feet per student station in a classroom is largely determined by the number and type of stations in the room. Generally, rooms with relatively large numbers of stations require less space per station. As for types of stations, tables and chairs require more space per station than standard student desks, which require more space than theater seating. Although the space required per station can vary from less than ten assignable square feet to more than 30, a frequently cited norm is 16 square feet per station.

The Higher Education Facilities Planning and Management Manuals (page 62 of Manual Two) list norms which are based on the number and type of station:

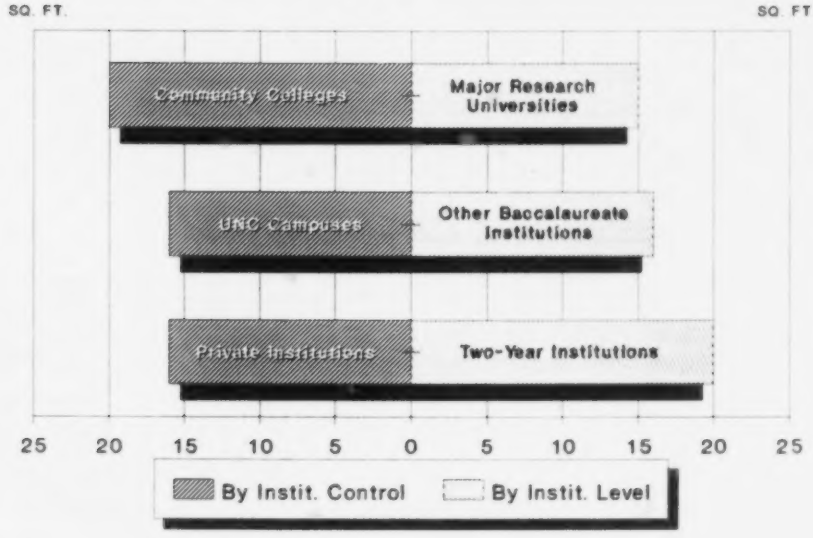
Assignable Square Feet Per Station Criteria

Number of Stations	ASF for Tables and Chairs	ASF for Armchair Desks Small	ASF for Armchair Desks Large
10 - 19	20 - 30	18	22
20 - 29	20 - 30	16	20
30 - 39	20 - 25	15	18
40 - 59	18 - 22	14	16
60 - 99	18 - 22	13	15
100 - 149	16 - 20	11	14
150 - 299	16 - 20	10	14
300 +	16 - 18	9	12

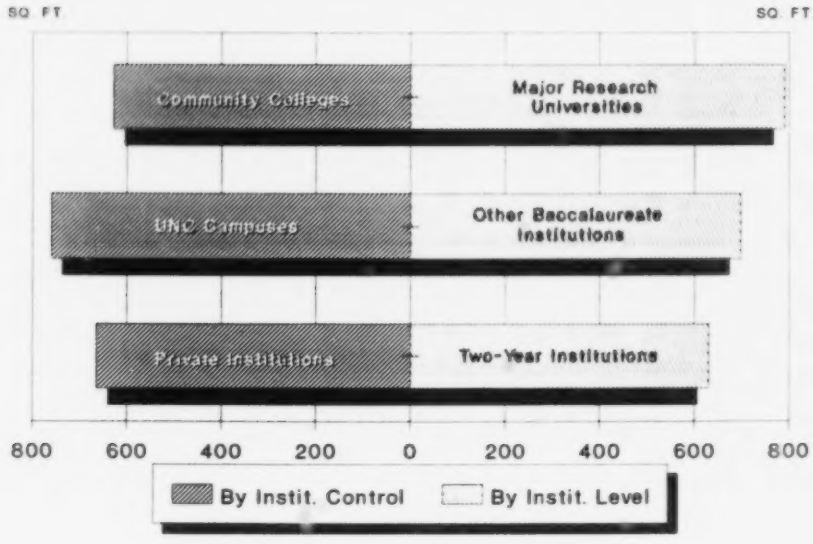
The average number of stations per classroom tends to vary according to the size and instructional philosophy of the institution. Graduate institutions and institutions which rely heavily on large lecture courses will generally have large numbers of stations per classroom.

CLASSROOMS

AVERAGE SQUARE FEET PER STUDENT STATION



AVERAGE ROOM SIZE



Assignable Square Feet Per Student Station For Classrooms

Table 16

INSTITUTION	No. of Rooms	No. of Student Stations	Average Stu/Sta Per Room	Total Assign. Sq. Ft.	Sq. Ft. Per Student Station				
					1990	1989	1988	1987	1986
Major Research Universities:									
NC State	248	13,844	56	199,402	14	14	14	14	14
NC State Vet.	6	436	73	7,318	17	17	17	17	17
UNC-Chapel Hill	247	13,644	55	207,299	15	15	15	15	15
UNC-Health Aff.	74	3,729	50	53,285	14	14	15	14	14
SUBTOTAL	575	31,653	55	467,304	15	15	15	15	15
Other Doctoral Universities:									
UNC-Greensboro	137	6,592	48	112,070	17	17	17	17	17
Comprehensive Universities:									
Appalachian	204	8,928	44	158,623	18	18	18	19	19
East Carolina	229	10,974	48	180,871	16	17	16	17	17
ECU-Health Aff.	40	1,757	44	29,251	17	17	17	17	17
Fayetteville	60	2,332	39	38,580	17	17	16	17	17
NC A & T	151	6,548	43	101,256	15	16	16	16	16
NC Central	141	6,152	44	98,826	16	16	16	17	17
UNC-Charlotte	115	6,870	60	89,640	13	13	13	13	14
UNC-Wilmington	81	4,188	52	62,618	15	15	15	14	14
West'n Carolina	110	4,625	42	86,189	19	18	18	19	19
SUBTOTAL	1,131	52,374	46	845,854	16	16	16	17	16
Gen. Baccalaureate Universities:									
Elizabeth City	56	2,425	43	38,633	16	16	16	16	15
Pembroke	71	2,997	42	48,603	16	16	16	16	16
UNC-Asheville	68	2,667	39	47,821	18	15	16	15	17
Winston-Salem	79	3,611	46	59,989	17	16	16	16	16
SUBTOTAL	274	11,700	43	195,046	17	16	16	16	16

Assignable Square Feet Per Student Station For Classrooms

Table 16

INSTITUTION	No. of Rooms	No. of Student Stations	Average Stu/Sta Per Room	Total Assign. Sq. Ft.	Sq. Ft. Per Student Station				
					1990	1989	1988	1987	1986
Specialized Institution:									
NC Sch. of Arts	40	1,050	26	19,529	19	20	20	19	19
Teaching Hospitals:									
UNC Hosp. at C.H.	-	-	-	-	-	-	-	-	-
Community Colleges:									
SUBTOTAL	2,412	76,844	32	1,515,693	20	20	20	20	20
PRIVATE INSTITUTIONS									
Major Research Universities:									
SUBTOTAL	317	15,823	50	237,868	15	15	15	15	15
Gen. Baccalaureate Colleges:									
SUBTOTAL	1,133	44,310	39	723,918	16	16	16	16	16
Junior Colleges:									
SUBTOTAL	130	4,872	37	87,052	18	18	18	18	18
GRAND TOTAL	6,149	245,218	40	4,204,334	17	17	17	17	17

Table 16

Assignable Square Feet Per Student Station For Classrooms

INSTITUTION	No. of Rooms	No. of Student Stations	Average Stu/Sta Per Room	Total Assign. Sq. Ft.	Sq. Ft. Per Student Station				
					1990	1989	1988	1987	1986
Community Colleges:									
Alamance CC	40	1,575	39	27,041	17	17	16	16	16
Anson CC	12	299	25	7,047	24	23	23	21	23
Ashev'le-Bun. TCC	97	3,027	31	69,396	23	22	22	21	21
Beaufort Co. CC	27	776	29	15,675	20	19	20	20	20
Bladen CC	17	423	25	9,597	23	22	20	22	22
Blue Ridge CC	34	967	28	21,150	22	22	22	20	20
Brunswick CC	27	753	28	15,900	21	24	25	26	25
Caldwell CC & TI	35	1,077	31	21,710	20	22	22	22	21
Cape Fear CC	30	893	30	19,571	22	26	26	27	28
Carteret CC	36	990	28	17,646	18	18	18	18	19
Catawba Vy. CC	56	1,595	28	34,942	22	22	23	23	23
C. Carolina CC	34	999	29	22,413	22	22	22	22	20
C. Piedmont CC	172	5,740	33	96,905	17	17	16	16	16
Cleveland CC	37	1,170	32	21,500	18	18	19	19	19
Coastal Car. CC	42	1,230	29	25,100	20	20	20	21	21
Col. Albemarle	33	1,094	33	17,680	16	16	15	15	16
Craven CC	46	1,381	30	24,456	18	17	17	17	17
Davidson Co. CC	42	1,572	37	26,785	17	17	17	17	17
Durham TCC	50	1,472	29	28,847	20	20	20	18	19
Edgecombe CC	45	1,210	27	23,173	19	20	21	21	23
Fayettev'le TCC	70	2,823	40	50,161	18	18	19	18	18
Forsyth TCC	88	2,818	32	59,974	21	22	22	22	22
Gaston Col.	63	2,422	38	44,377	18	18	19	19	18
Guilford TCC	127	4,224	33	83,534	20	20	20	19	19
Halifax CC	26	830	32	16,354	20	19	22	22	22
Haywood CC	29	812	28	15,684	19	19	19	19	17
Isothermal CC	43	1,373	32	27,144	20	20	20	20	20
J. Sprunt CC	26	650	25	13,514	21	21	21	19	19
Johnston CC	35	1,310	37	24,139	18	17	16	16	19
Lenoir CC	56	1,620	29	31,880	20	20	19	19	19

Assignable Square Feet Per Student Station For Classrooms

Table 16

INSTITUTION	No. of Rooms	No. of Student Stations	Average Stu/Sta Per Room	Total Assign. Sq. Ft.	Sq. Ft. Per Student Station				
					1990	1989	1988	1987	1986
Community Colleges:									
Martin CC	19	544	29	11,270	21	21	25	25	23
Mayland CC	17	506	30	11,249	22	22	21	19	19
McDowell TCC	24	679	28	14,744	22	22	24	24	23
Mitchell CC	48	1,640	34	31,256	19	20	21	21	20
Montgomery CC	13	256	20	6,244	24	25	28	28	30
Nash CC	38	1,350	36	29,095	22	21	23	22	22
Pamlico CC	9	190	21	4,363	23	23	23	23	23
Piedmont CC	26	508	20	12,502	25	25	26	24	22
Pitt CC	38	1,335	35	24,988	19	18	19	18	19
Randolph CC	37	869	23	24,046	28	28	28	30	30
Richmond CC	35	892	25	17,400	20	20	20	20	20
Roanoke-Cho. CC	25	690	28	14,282	21	21	22	22	23
Robeson CC	32	986	31	20,327	21	23	23	23	22
Rockingham CC	42	1,534	37	31,523	21	21	21	18	19
Rowan-Cab. CC	51	1,901	37	33,689	18	18	18	18	18
Sampson CC	23	726	32	13,013	18	18	19	18	17
Sandhills CC	53	1,984	37	35,176	18	18	19	19	18
Southeastern CC	36	1,204	33	21,963	18	18	18	18	18
Southwestern CC	35	917	26	23,685	26	22	23	19	18
Stanly CC	25	841	34	15,163	18	18	18	18	21
Surry CC	29	922	32	20,801	23	23	24	24	23
Tri-County CC	25	789	32	17,598	22	22	25	25	24
Vance-Granv. CC	32	1,029	32	21,239	21	21	21	18	18
Wake TCC	71	2,424	34	47,672	20	20	20	18	18
Wayne CC	64	2,083	33	39,284	19	19	18	17	17
W. Piedmont CC	31	1,020	33	22,270	22	22	21	21	21
Wilkes CC	35	1,203	34	22,318	19	19	20	20	20
Wilson Co. TC	24	697	29	15,238	22	22	22	23	25
TOTAL	2,412	76,844	32	1,515,693	20	20	20	20	20

TABLE 17:
ASSIGNABLE SQUARE FEET PER STUDENT STATION FOR CLASS LABORATORIES

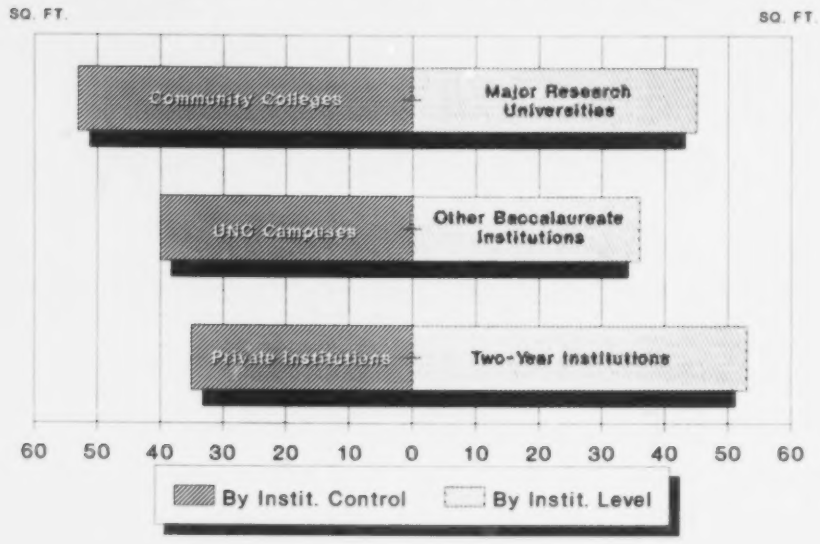
The square footage per student station in class laboratories varies to a greater extent than in classrooms because of the widely differing space requirements of the various kinds of laboratories. An automotive lab, for example, usually requires much more space per station than a chemistry lab. In general, institutions which offer academic programs in such areas as agriculture, engineering, or medicine, or in vocational/technical programs such as automotive mechanics, textiles, and welding require more class lab space per station than do institutions which focus on liberal arts, business, and education. Moreover, graduate level laboratories usually require more space per station than undergraduate labs.

The Higher Education Facilities Planning and Management Manuals (pages 127-133 of Manual Two) provide ranges for various types of class laboratories. Data for selected labs are provided below:

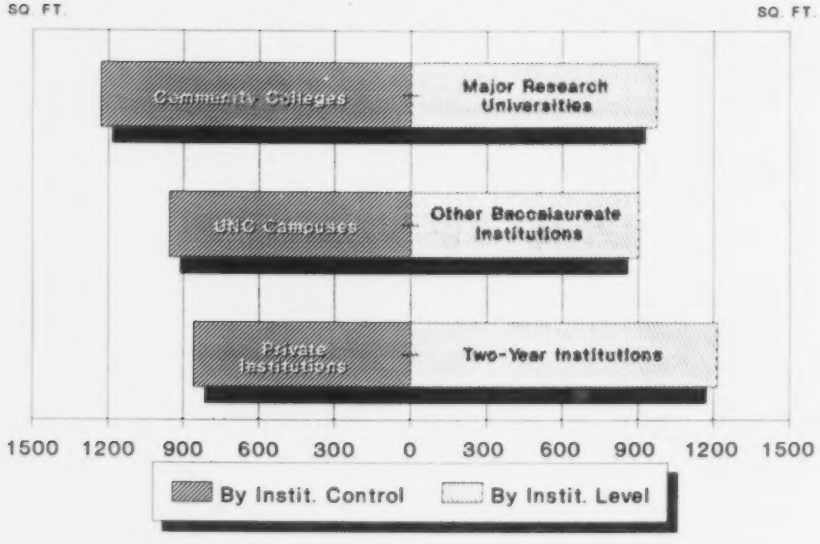
Discipline	Level	ASF	Discipline	ASF
Soil Science	Upper	40-50	Business Tech	25-40
Architecture	Upper	50-60	Data Proc Tech	50-80
Biology	Lower	30-40	Health Svc Tech	25-50
Business	All	20-30	Drafting	50-60
Education	All	25-35	Automotive	100-150
Fine Arts	All	30-50	Welding	80-120
Letters	All	15-25	Natural Sc Tech	35-60
Mathematics	All	20-30	Public Svc Tech	25-35

CLASS LABORATORIES

AVERAGE SQUARE FEET PER STUDENT STATION



AVERAGE ROOM SIZE



Assignable Square Feet Per Student Station For Class Laboratories

Table 17

INSTITUTION	No. of Rooms	No. of Student Stations	Average Stu/Sta Per Room	Total Assign. Sq. Ft.	Sq. Ft. Per Student Station				
					1990	1989	1988	1987	1986
Major Research Universities:									
NC State	227	5,023	22	271,395	54	54	55	55	57
NC State Vet.	5	214	43	13,109	61	61	61	82	82
UNC-Chapel Hill	95	2,832	30	94,330	33	33	38	38	38
UNC-Health Aff.	116	1,834	16	83,724	46	45	45	45	45
SUBTOTAL	443	9,903	22	462,558	47	47	49	50	51
Other Doctoral Universities:									
UNC-Greensboro	56	1,627	29	61,557	38	38	36	38	38
Comprehensive Universities:									
Appalachian	91	2,323	26	91,531	39	41	40	32	32
East Carolina	153	3,378	22	137,681	41	42	42	43	44
ECU-Health Aff.	166	2,411	15	94,955	39	39	39	39	39
Fayetteville	35	1,206	34	32,328	27	27	27	26	26
NC A & T	78	2,389	31	76,348	32	30	34	34	32
NC Central	52	1,351	26	46,259	34	36	36	36	36
UNC-Charlotte	99	2,739	28	92,659	34	37	37	39	41
UNC-Wilmington	33	910	28	29,720	33	34	34	35	34
West'n Carolina	52	1,458	28	58,522	40	40	38	39	40
SUBTOTAL	759	18,165	24	660,003	36	37	37	37	37
Gen. Baccalaureate Universities:									
Elizabeth City	41	1,119	27	42,938	38	39	39	42	42
Pembroke	32	751	23	24,294	32	27	26	27	27
UNC-Asheville	45	1,039	23	33,053	32	34	35	32	42
Winston-Salem	23	657	29	19,635	30	30	29	29	29
SUBTOTAL	141	3,566	25	119,920	34	33	33	33	35

Assignable Square Feet Per Student Station For Class Laboratories

Table 17

INSTITUTION	No. of Rooms	No. of Student Stations	Average Stu/Sta Per Room	Total Assign. Sq. Ft.	Sq. Ft. Per Student Station				
					1990	1989	1988	1987	1986
Specialized Institution:									
NC Sch. of Arts	50	1,138	23	80,907	71	71	64	64	66
Teaching Hospitals:									
UNC Hosp. at C.H.	-	-	-	-	-	-	-	-	-
Community Colleges:									
SUBTOTAL	2,067	47,639	23	2,540,729	53	52	52	52	52
PRIVATE INSTITUTIONS									
Major Research Universities:									
SUBTOTAL	156	3,015	19	120,970	40	40	45	41	43
Gen. Baccalaureate Colleges:									
SUBTOTAL	499	12,930	26	438,045	34	34	34	33	33
Junior Colleges:									
SUBTOTAL	85	2,036	24	76,886	38	38	36	34	35
GRAND TOTAL	4,256	100,019	24	4,561,575	46	45	45	45	45

Assignable Square Feet Per Student Station For Class Laboratories

Table 17

INSTITUTION	No. of Rooms	No. of Student Stations	Average Stu/Sta Per Room	Total Assign. Sq. Ft.	Sq. Ft. Per Student Station				
					1990	1989	1988	1987	1986
Community Colleges:									
Alamance CC	41	1,076	26	44,314	41	41	41	41	41
Anson CC	14	307	22	15,824	52	49	49	49	55
Ashev'le-Bun. TCC	47	1,054	22	79,881	76	59	62	61	65
Beaufort Co. CC	23	483	21	32,778	68	56	56	55	57
Bladen CC	22	455	21	27,083	60	65	62	61	61
Blue Ridge CC	23	577	25	42,263	73	76	76	80	78
Brunswick CC	15	295	20	18,860	64	64	53	57	57
Caldwell CC & TI	40	705	18	52,248	74	75	64	64	61
Cape Fear CC	42	905	22	55,091	61	64	67	67	68
Carteret CC	30	699	23	33,029	47	47	47	47	54
Catawba Vy. CC	49	1,112	23	68,290	61	59	59	62	58
C. Carolina CC	45	936	21	49,692	53	54	54	55	52
C. Piedmont CC	116	3,183	27	152,410	48	45	44	44	43
Cleveland CC	43	945	22	39,971	42	42	41	42	42
Coastal Car. CC	42	942	22	55,273	59	59	60	61	61
Col. Albemarle	31	773	25	35,359	46	46	46	46	46
Craven CC	37	912	25	32,986	36	38	38	38	38
Davidson Co. CC	34	795	23	38,150	48	48	47	46	47
Durham TCC	44	994	23	52,686	53	53	56	55	55
Edgecombe CC	35	714	20	31,142	44	44	42	42	57
Fayettev'le TCC	60	1,525	25	65,699	43	47	47	47	47
Forsyth TCC	56	1,329	24	91,142	69	66	60	61	61
Gaston Col.	51	1,282	25	66,106	52	50	50	50	50
Guilford TCC	95	2,152	23	123,783	58	57	59	56	58
Halifax CC	20	501	25	24,998	50	50	50	48	48
Haywood CC	60	1,233	21	71,848	58	55	55	55	53
Isothermal CC	39	856	22	42,132	49	51	51	51	51
J. Sprunt CC	23	493	21	29,059	59	67	68	69	69
Johnston CC	33	825	25	39,724	48	49	49	49	48
Lenoir CC	40	885	22	33,514	38	38	39	39	40

Assignable Square Feet Per Student Station For Class Laboratories

Table 17

INSTITUTION	No. of Rooms	No. of Student Stations	Average Stu/Sta Per Room	Total Assign. Sq. Ft.	Sq. Ft. Per Student Station				
					1990	1989	1988	1987	1986
Community Colleges:									
Martin CC	28	714	26	44,164	62	65	70	70	68
Mayland CC	9	215	24	12,041	56	56	61	46	46
McDowell TCC	24	566	24	29,001	51	51	55	55	42
Mitchell CC	33	848	26	42,900	51	52	49	49	45
Montgomery CC	20	328	16	19,619	60	63	64	64	66
Nash CC	31	519	17	35,187	68	65	67	64	59
Pamlico CC	8	121	15	9,871	82	82	82	82	82
Piedmont CC	19	430	23	20,396	47	47	49	51	52
Pitt CC	48	883	18	53,333	60	54	54	54	49
Randolph CC	34	728	21	50,235	69	69	68	69	69
Richmond CC	28	539	19	36,877	68	72	71	69	68
Roanoke-Cho. CC	19	443	23	21,186	48	47	49	47	48
Robeson CC	36	1,087	30	43,373	40	40	44	49	51
Rockingham CC	41	963	23	54,410	57	56	57	62	61
Rowan-Cab. CC	34	870	26	40,712	47	47	47	48	48
Sampson CC	21	580	28	26,642	46	48	49	48	49
Sandhills CC	38	947	25	43,906	46	44	44	43	43
Southeastern CC	32	821	26	39,168	48	44	43	43	43
Southwestern CC	31	564	18	27,356	49	38	37	38	38
Stanly CC	22	633	29	25,362	40	40	38	41	40
Surry CC	30	724	24	35,478	49	49	49	50	48
Tri-County CC	22	395	18	31,091	79	79	74	73	82
Vance-Granv. CC	32	819	26	37,769	46	46	46	44	44
Wake TCC	47	877	19	55,512	63	63	60	59	58
Wayne CC	45	1,106	25	52,505	47	43	45	45	46
W. Piedmont CC	24	553	23	27,813	50	49	49	49	49
Wilkes CC	28	702	25	35,649	51	51	53	52	54
Wilson Co. TC	33	721	22	43,838	61	59	56	59	60
TOTAL	2,067	47,639	23	2,540,729	53	52	52	52	52

Martin County Events Center, Martin Community College

Martin Community College's new facilities addition is unique within North Carolina. The state's only horse facility designed for educational purposes, the Martin County Events Center is the cornerstone for the Equine Technology program in MCC's Technologies Department. This program, which focuses on preparing students for rewarding careers in the horse industry, is also the only one of its kind within the state's Community College System.

The Events Center, which contains seating for more than 1,000, is also designed to host community and regional events such as horse, livestock, and sportsman shows, as well as concerts and rodeos. A 30,000-square foot riding arena is the central feature of the facility, which also houses 30 horse stalls, an equine reproduction laboratory, and a 7,000-square foot lecture and banquet hall.

Building Characteristics

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Capital Investment in Buildings 142
Age of Buildings 152
Condition of Buildings 156
Estimated Cost to Renovate or Replace Unsatisfactory Facilities 161

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TABLE 18
OWNERSHIP OF BUILDINGS

Many campus buildings are not owned by the institutions which use them. This table provides data on the ownership status of institutional facilities. The gross square footage of each institution has been classified under eight ownership categories:

1 Owned in fee simple.

2 Title vested in the institution and being paid for on an amortization schedule.

3 Title vested in holding company or building corporation to which payments are being made by the institution and which will ultimately convey title to the institution. (Includes lease-purchase arrangement.)

4 Not owned by the institution, but leased or rented to the institution at a typical local rate.

5 Not owned by the institution, but made available to the institution either at no cost or at a nominal rate.

6 Not owned by the institution, but shared with an educational organization that is not a postsecondary institution.

7 Not owned by the institution, but shared with another postsecondary educational institution.

8 Other (e.g., not owned by the institution, but shared with a non-educational institution).

Ownership for institutions of the University of North Carolina represents ownership by the State of North Carolina. Ownership of community and technical colleges represents ownership by local trustees and reflects expenditures primarily from local fund sources which are supplemented by state and federal funds. Ownership of the private institutions resides with the institution's trustees.

The sums of the percentages for each institution should in theory add to exactly 100.0, but in some cases they do not because of rounding.

Ownership of Buildings

Table 18

INSTITUTION	Owned Gross Sq. Ft. 1	%	Institution Amortization Gross Sq. Ft. 2	%	Holding Co. Amortization Gross Sq. Ft. 3	%	Leased or Rented Gross Sq. Ft. 4	%	Nominal Rate Gross Sq. Ft. 5	%	* Total Gross Sq. Ft.
Major Research Universities:											
NC State	4,786,753	65.9	2,473,706	34.1	-	-	-	-	-	-	7,260,459
NC State Vet.	372,607	100.0	-	-	-	-	-	-	-	-	372,607
UNC-Chapel Hill	6,766,386	98.8	-	-	-	-	17,514	0.3	63,702	0.9	6,848,853
UNC-Health Aff.	2,081,670	73.0	522,938	18.3	101,246	3.6	117,713	4.1	-	-	2,850,067
SUBTOTAL	14,007,416	80.8	2,996,644	17.3	101,246	0.6	135,227	0.8	63,702	0.4	17,331,986
Other Doctoral Universities:											
UNC-Greensboro	2,805,116	99.7	-	-	-	-	8,751	0.3	-	-	2,813,867
Comprehensive Universities:											
Appalachian	1,742,284	60.1	1,135,196	39.1	-	-	9,000	0.3	14,400	0.5	2,900,880
East Carolina	2,250,333	75.1	746,469	24.9	-	-	-	-	-	-	2,996,802
ECU-Health Aff.	621,676	100.0	-	-	-	-	-	-	-	-	621,676
Fayetteville	757,808	90.1	83,610	9.9	-	-	-	-	-	-	841,418
NC A & T	2,065,531	100.0	-	-	-	-	-	-	-	-	2,065,531
NC Central	1,551,131	100.0	-	-	-	-	-	-	-	-	1,551,131
UNC-Charlotte	1,437,614	60.3	946,712	39.7	-	-	-	-	-	-	2,384,326
UNC-Wilmington	999,824	69.7	434,271	30.3	-	-	-	-	-	-	1,434,095
West'n Carolina	1,655,451	70.5	691,193	29.5	-	-	-	-	-	-	2,346,644
SUBTOTAL	13,081,652	76.3	4,037,451	23.6	-	-	9,000	0.1	14,400	0.1	17,142,503
Gen. Baccalaureate Universities:											
Elizabeth City	650,686	82.7	135,876	17.3	-	-	-	-	-	-	786,562
Pembroke	705,283	100.0	-	-	-	-	-	-	-	-	705,283
UNC-Asheville	597,824	79.7	152,000	20.3	-	-	-	-	-	-	749,824
Winston-Salem	792,452	86.1	127,536	13.9	-	-	-	-	-	-	919,988
SUBTOTAL	2,746,245	86.9	415,412	13.1	-	-	-	-	-	-	3,161,657
Specialized Institution:											
NC Sch. of Arts	472,976	77.5	102,782	16.8	-	-	8,376	1.4	26,399	4.3	610,533
Teaching Hospitals:											
UNC Hosp. at C. Hill	1,178,979	93.6	-	-	-	-	74,292	5.9	-	-	1,259,992
Community Colleges:											
SUBTOTAL	12,186,211	95.9	-	-	19,665	0.2	237,085	1.9	217,971	1.7	12,708,417
PRIVATE INSTITUTIONS											
Major Research Universities:											
SUBTOTAL	12,891,636	98.9	136,029	1.0	-	-	12,939	0.1	-	-	13,040,604
Gen. Baccalaureate Colleges:											
SUBTOTAL	13,827,030	88.1	1,574,584	10.0	123,093	0.8	79,742	0.5	85,507	0.5	15,689,956
Junior Colleges:											
SUBTOTAL	1,511,578	80.8	311,005	16.6	48,038	2.6	-	-	-	-	1,870,621
GRAND TOTAL	74,708,839	87.2	9,573,907	11.2	292,042	0.3	565,412	0.7	407,979	0.5	85,630,136

*Three categories of ownership are omitted from the table because of their limited applicability. The data are included in appropriate totals. Details on next page.

Ownership of Buildings

Table 18

INSTITUTION	Owned Gross Sq. Ft. 1	%	Institution Amortization Gross Sq. Ft. 2	%	Holding Co. Amortization Gross Sq. Ft. 3	%	Leased or Rented Gross Sq. Ft. 4	%	Nominal Rate Gross Sq. Ft. 5	%	* Total Gross Sq. Ft.
Community Colleges:											
Alamance CC	200,945	100.0	-	-	-	-	-	-	-	-	200,945
Anson CC	42,146	51.6	-	-	-	-	-	-	39,510	48.4	81,656
Ashev'le-Bun. TCC	464,455	96.3	-	-	-	-	-	-	18,000	3.7	482,455
Beaufort Co. CC	128,848	100.0	-	-	-	-	-	-	-	-	128,848
Bladen CC	103,372	100.0	-	-	-	-	-	-	-	-	103,372
Blue Ridge CC	163,140	100.0	-	-	-	-	-	-	-	-	163,140
Brunswick CC	145,007	99.3	-	-	-	-	-	-	950	0.7	145,957
Caldwell CC & TI	197,180	100.0	-	-	-	-	-	-	-	-	197,180
Cape Fear CC	183,549	82.7	-	-	-	-	-	-	38,363	17.3	221,912
Carteret CC	163,367	98.2	-	-	-	-	-	-	2,967	1.8	166,334
Catawba Vy. CC	270,263	98.3	-	-	-	-	-	-	4,600	1.7	274,863
C. Carolina CC	168,544	100.0	-	-	-	-	-	-	-	-	168,544
C. Piedmont CC	1,275,203	95.6	-	-	9,312	0.7	49,011	3.7	-	-	1,333,526
Cleveland CC	192,334	100.0	-	-	-	-	-	-	-	-	192,334
Coastal Car. CC	214,716	100.0	-	-	-	-	-	-	-	-	214,716
Col. Albemarle	161,780	87.8	-	-	-	-	3,936	2.1	18,480	10.0	184,196
Craven CC	144,415	94.8	-	-	-	-	7,851	5.2	-	-	152,266
Davidson Co. CC	211,332	100.0	-	-	-	-	-	-	-	-	211,332
Durham TCC	206,682	92.6	-	-	-	-	16,530	7.4	-	-	223,212
Edgecombe CC	162,094	100.0	-	-	-	-	-	-	-	-	162,094
Fayettev'le TCC	407,448	100.0	-	-	-	-	-	-	-	-	407,448
Forsyth TCC	366,566	88.5	-	-	-	-	-	-	-	-	414,051
Gaston Col.	287,894	100.0	-	-	-	-	-	-	-	-	287,894
Guilford TCC	486,641	83.0	-	-	-	-	99,400	17.0	-	-	585,041
Halifax CC	132,607	100.0	-	-	-	-	-	-	-	-	132,607
Haywood CC	234,716	93.1	-	-	-	-	-	-	17,354	6.9	252,070
Isothermal CC	220,057	100.0	-	-	-	-	-	-	-	-	220,057
J. Sprunt CC	113,361	96.4	-	-	-	-	-	-	4,240	3.6	117,601
Johnston CC	175,073	93.7	-	-	-	-	-	-	11,825	6.3	186,898
Lenoir CC	215,038	96.0	-	-	-	-	-	-	9,024	4.0	224,062
Martin CC	151,841	99.5	-	-	720	0.5	-	-	-	-	152,561
Mayland CC	81,441	99.1	-	-	-	-	-	-	720	0.9	82,161
McDowell TCC	92,006	96.0	-	-	-	-	3,875	4.0	-	-	95,881
Mitchell CC	246,514	100.0	-	-	-	-	-	-	-	-	246,514
Montgomery CC	72,452	100.0	-	-	-	-	-	-	-	-	72,452
Nash CC	177,684	100.0	-	-	-	-	-	-	-	-	177,684
Pamlico CC	40,198	100.0	-	-	-	-	-	-	-	-	40,198
Piedmont CC	117,486	100.0	-	-	-	-	-	-	-	-	117,486
Pitt CC	192,410	91.8	-	-	-	-	17,214	8.2	-	-	209,624
Randolph CC	177,609	98.2	-	-	-	-	3,268	1.8	-	-	180,877
Richmond CC	156,639	98.3	-	-	-	-	-	-	2,680	1.7	159,319
Roanoke-Cho. CC	109,542	91.9	-	-	9,633	8.1	-	-	-	-	119,175
Robeson CC	183,243	100.0	-	-	-	-	-	-	-	-	183,243
Rockingham CC	269,195	100.0	-	-	-	-	-	-	-	-	269,195
Rowan-Cab. CC	179,450	93.7	-	-	-	-	-	-	12,132	6.3	191,582
Sampson CC	117,646	100.0	-	-	-	-	-	-	-	-	117,646
Sandhills CC	272,915	99.5	-	-	-	-	-	-	1,280	0.5	274,195
Southeastern CC	161,785	94.6	-	-	-	-	9,220	5.4	-	-	171,005
Southwestern CC	194,728	100.0	-	-	-	-	-	-	-	-	194,728
Stanly CC	82,484	82.2	-	-	-	-	14,131	14.1	3,696	3.7	100,311
Surry CC	182,076	100.0	-	-	-	-	-	-	-	-	182,076
Tri-County CC	103,973	100.0	-	-	-	-	-	-	-	-	103,973
Vance-Granv. CC	191,516	100.0	-	-	-	-	-	-	-	-	191,516
Wake TCC	317,550	90.8	-	-	-	-	-	-	32,150	9.2	349,700
Wayne CC	292,320	96.0	-	-	-	-	12,049	4.0	-	-	304,369
W. Piedmont CC	195,113	100.0	-	-	-	-	-	-	-	-	195,113
Wilkes CC	222,882	99.7	-	-	-	-	600	0.3	-	-	223,482
Wilson Co. TC	165,740	100.0	-	-	-	-	-	-	-	-	165,740
TOTAL	12,186,211	95.9	-	-	19,665	0.2	237,085	1.9	217,971	1.7	12,708,417

Category 6: None
Category 7: Forsyth Technical CC 47,486 11.5% UNC Hosp. at C.H. 6,721 0.5%
Category 8: UNC at Chapel Hill 1,251 <0.1% UNC-Health Affairs 26,500 0.9%

TABLES 19 & 20:
CAPITAL INVESTMENT IN BUILDINGS

Building cost, as used here, refers to the institution's initial capital investment in a building. For a facility which is built by the institution, the building cost is the cost of construction of the structure and its fixed equipment. For buildings which are purchased, the acquisition cost is applicable.

The replacement value of a building, on the other hand, represents the estimated cost of constructing a new facility containing an equal amount of space which is designed for the same use as the original building and which meets all of the current commonly-accepted standards of construction. For institutional buildings which were in existence prior to 1972, the replacement value was first estimated using 1972 construction cost data. Since then, it has been increased each year using factors obtained annually from construction cost publications. For buildings constructed since 1972, the building cost is the base upon which these replacement value factors are applied.

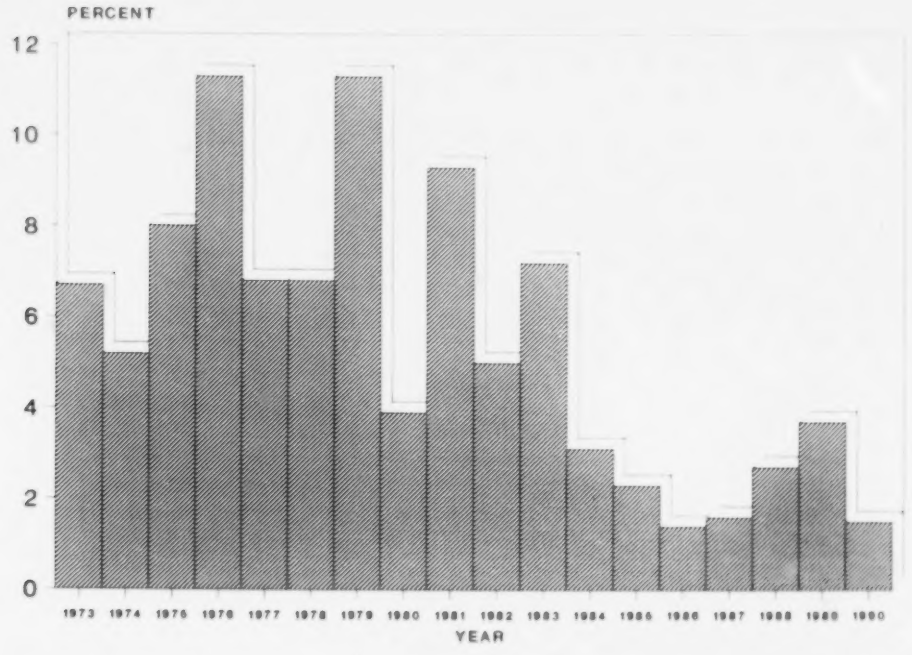
From 1972-83, the replacement value factors were derived from building cost data reported for the Atlanta region in the Engineering News Record. From 1984-1987, the Dodge Building Cost Indexes for U. S. and Canadian Cities, published by McGraw-Hill Cost Information Systems, was used to determine the replacement value factors. Since 1987, due to a lapse in the publishing of the Dodge publication, the R. S. Means Construction Cost Indexes report, which follows a calculation methodology similar to the Dodge report, has been used to construct this index. Factors calculated from the Means publication were derived by computing an average of the construction cost increases for Charlotte, Durham, Greensboro, Raleigh and Winston-Salem. The following table, reflecting a base of 100.0 for January, 1975, summarizes selected data for these cities:

City	Oct 1989	Oct 1990	Index Increase	% Change 1989-90
Charlotte	171.2	173.9	2.7	1.6
Durham	169.3	171.8	2.5	1.5
Greensboro	167.9	170.4	2.5	1.5
Raleigh	170.7	173.3	2.6	1.5
Winston-Salem	173.4	176.0	2.6	1.5

The following are the factors which have been used to increase the estimated replacement values each year. They reflect the increases in construction costs which have occurred since 1973. Relative increases over this period are portrayed in the graph.

Year	Annual Increase	Year	Annual Increase	Year	Annual Increase
1973	6.7%	1979	11.3%	1985	2.3%
1974	5.2%	1980	3.9%	1986	1.4%
1975	8.0%	1981	9.3%	1987	1.6%
1976	11.3%	1982	5.0%	1988	2.7%
1977	6.8%	1983	7.2%	1989	3.7%
1978	6.8%	1984	3.1%	1990	1.5%

RELATIVE INCREASES IN CONSTRUCTION COSTS



Because building cost represents an institution's capital investment in a facility, only buildings which are owned by the institution (i.e., those falling under ownership categories 1-3 on page 139) are included in calculating total cost. Replacement value, on the other hand, is a reflection of all buildings on an institution's campus, regardless of their ownership status.

The data are categorized as non-residential (Table 19) and residential (Table 20). Buildings with twenty percent or more of their space in each category are considered combination buildings and appear in both tables. The tables accurately reflect the number of buildings with non-residential space and the number with residential space, but the sum will exceed the total number of buildings on the campuses which have combination buildings. Other data are distributed between the two tables on the basis of the ratio of the assignable square feet in the category to the total assignable square feet in the building. Thus, campus totals may be determined accurately by summing the appropriate data in the two tables, with the exception noted.

Table 19

Capital Investment, Non-Residential Buildings

INSTITUTION	No. of Bldgs.	Building Cost	Replacement Value	Gross Sq. Ft. On Campus
Major Research Universities:				
NC State	108	$ 134,732,539	$ 376,887,886	5,586,346
NC State Vet.	12	23,846,176	32,603,113	372,607
UNC-Chapel Hill	163	163,560,700	588,029,119	4,966,876
UNC-Health Aff.	87	114,042,208	366,930,125	2,850,067
SUBTOTAL	370	436,181,623	1,364,450,243	13,775,896
Other Doctoral Universities:				
UNC-Greensboro	47	54,788,090	137,216,857	1,947,595
Comprehensive Universities:				
Appalachian	56	67,753,760	151,619,904	1,962,988
East Carolina	70	56,428,244	138,006,713	1,964,906
ECU-Health Aff.	15	39,397,896	55,737,407	621,676
Fayetteville	38	22,253,571	45,396,734	591,964
NC A & T	85	46,547,125	113,140,243	1,524,846
NC Central	44	34,498,795	80,204,456	1,086,527
UNC-Charlotte	36	61,721,700	132,271,327	1,557,551
UNC-Wilmington	53	42,558,817	79,303,699	1,018,443
West'n Carolina	46	53,926,798	119,237,870	1,599,069
SUBTOTAL	443	425,086,706	914,918,353	11,927,970
Gen. Baccalaureate Universities:				
Elizabeth City	33	21,698,187	44,379,925	547,931
Pembroke	27	19,331,362	40,302,984	537,734
UNC-Asheville	17	28,941,620	43,319,926	561,443
Winston-Salem	21	25,522,322	50,273,822	704,961
SUBTOTAL	98	95,493,491	178,276,657	2,352,069

Table 19

Capital Investment, Non-Residential Buildings

INSTITUTION	No. of Bldgs.	Building Cost	Replacement Value	Gross Sq. Ft. On Campus
Specialized Institution:				
NC Sch. of Arts	19	$ 13,710,304	$ 40,694,880	470,909
Teaching Hospitals:				
UNC Hosp. at C.H.	28	66,649,183	144,623,883	1,259,992
Community Colleges:				
SUBTOTAL	802	411,034,060	830,867,339	12,699,400
		PRIVATE INSTITUTIONS		
Major Research Universities:				
SUBTOTAL	275	506,170,856	1,004,180,196	10,627,162
Gen. Baccalaureate Colleges:				
SUBTOTAL	684	230,436,382	706,539,883	9,656,783
Junior Colleges:				
SUBTOTAL	77	25,403,815	76,378,973	1,107,749
GRAND TOTAL	2,843	$2,264,954,510	$5,398,147,264	65,825,525

Table 19

Capital Investment, Non-Residential Buildings

INSTITUTION	No. of Bldgs.	Building Cost	Replacement Value	Gross Sq. Ft. On Campus
Community Colleges:				
Alamance CC	8	$ 9,333,403	$ 17,367,187	200,273
Anson CC	12	1,886,292	5,079,230	81,656
Ashev'le-Bun. TCC	19	13,871,798	29,086,995	482,455
Beaufort Co. CC	9	3,691,187	7,499,550	128,848
Bladen CC	16	2,797,818	6,472,541	103,372
Blue Ridge CC	12	6,274,436	10,524,304	163,140
Brunswick CC	11	6,759,818	9,005,509	145,957
Caldwell CC & TI	8	6,798,553	14,485,135	197,180
Cape Fear CC	7	4,951,014	16,923,428	221,912
Carteret CC	18	5,568,210	12,708,519	166,334
Catawba Vy. CC	16	8,560,568	19,429,593	274,863
C. Carolina CC	13	6,434,189	12,376,588	168,544
C. Piedmont CC	40	25,235,905	61,658,770	1,330,526
Cleveland CC	11	9,021,301	13,564,073	192,334
Coastal Car. CC	11	9,862,528	16,792,780	214,716
Col. Albemarle	11	8,020,940	14,076,920	184,196
Craven CC	9	6,757,343	10,966,274	152,266
Davidson Co. CC	10	5,949,765	14,252,016	211,332
Durham TCC	11	7,126,928	14,403,828	223,212
Edgecombe CC	9	5,573,700	10,758,451	162,094
Fayetiev'le TCC	25	11,677,365	25,174,184	407,448
Forsyth TCC	17	10,784,952	29,858,780	414,051
Gaston Col.	12	8,933,618	20,495,482	287,894
Guilford TCC	26	14,735,720	42,264,549	585,041
Halifax CC	8	4,683,903	6,853,918	132,607
Haywood CC	32	7,379,669	13,936,819	252,070
Isothermal CC	15	8,478,885	14,367,950	220,057
J. Sprunt CC	12	3,096,076	7,215,289	117,601
Johnston CC	10	8,913,500	13,052,788	186,898
Lenoir CC	13	6,981,729	14,862,027	224,062

Table 19

Capital Investment, Non-Residential Buildings

INSTITUTION	No. of Bldgs.	Building Cost	Replacement Value	Gross Sq. Ft. On Campus
Community Colleges:				
Martin CC	11	2,837,904	7,781,367	152,561
Mayland CC	8	4,077,209	5,872,513	82,161
McDowell TCC	8	3,976,052	7,469,103	95,881
Mitchell CC	19	3,829,528	14,913,610	246,514
Montgomery CC	4	2,520,126	4,153,897	72,452
Nash CC	8	7,023,010	10,229,955	177,684
Pamlico CC	4	1,528,200	3,606,626	40,198
Piedmont CC	11	5,610,180	8,917,404	117,486
Pitt CC	29	7,142,580	14,240,902	209,624
Randolph CC	17	5,604,103	11,321,485	180,877
Richmond CC	10	4,984,574	11,019,139	159,319
Roanoke-Cho. CC	6	4,679,094	8,544,031	119,175
Robeson CC	15	8,954,000	13,116,310	183,243
Rockingham CC	12	9,037,674	18,413,808	269,195
Rowan-Cab. CC	11	3,622,700	12,482,205	191,582
Sampson CC	9	4,797,302	7,250,277	117,646
Sandhills CC	27	9,965,386	18,084,649	268,850
Southeastern CC	15	3,871,309	10,603,049	171,005
Southwestern CC	9	9,277,721	13,190,002	194,728
Stanly CC	10	3,346,302	6,735,638	100,311
Surry CC	11	5,436,344	11,693,373	182,076
Tri-County CC	15	3,925,673	7,139,536	103,973
Vance-Granv. CC	10	9,399,347	15,187,803	191,516
Wake TCC	18	11,102,207	21,050,867	349,700
Wayne CC	29	14,913,341	21,827,095	304,369
W. Piedmont CC	14	7,910,241	14,785,649	195,113
Wilkes CC	19	6,932,284	13,777,204	223,482
Wilson Co. TC	12	4,588,556	11,946,365	165,740
TOTAL	802	$411,034,060	$830,867,339	12,699,400

Table 20

Capital Investment, Residential Buildings

INSTITUTION	No. of Bldgs.	Building Cost	Replacement Value	Gross Sq. Ft. On Campus
Major Research Universities:				
NC State	34	$ 25,365,881	$ 108,025,108	1,674,113
NC State Vet.	-	-	-	-
UNC-Chapel Hill	40	26,686,940	178,296,835	1,881,977
UNC-Health Aff.	-	-	-	-
SUBTOTAL	74	52,052,821	286,321,943	3,556,090
Other Doctoral Universities:				
UNC-Greensboro	24	12,521,200	58,006,205	866,272
Comprehensive Universities:				
Appalachian	28	17,715,800	61,618,674	937,892
East Carolina	17	14,121,040	69,538,905	1,031,896
ECU-Health Aff.	-	-	-	-
Fayetteville	9	3,638,000	16,582,704	249,454
NC A & T	20	5,986,586	36,208,771	540,685
NC Central	13	5,215,280	30,890,278	464,604
UNC-Charlotte	11	24,365,223	52,657,553	826,775
UNC-Wilmington	28	18,003,882	29,291,289	415,652
West'n Carolina	20	11,442,680	47,494,938	747,575
SUBTOTAL	146	100,488,491	344,283,112	5,214,533
Gen. Baccalaureate Universities:				
Elizabeth City	25	3,944,204	15,430,834	238,631
Pembroke	7	2,633,000	11,295,701	167,549
UNC-Asheville	12	8,485,943	12,700,056	188,381
Winston-Salem	8	3,603,000	14,216,735	215,027
SUBTOTAL	52	18,666,147	53,643,326	809,588

Table 20

Capital Investment, Residential Buildings

INSTITUTION	No. of Bldgs.	Building Cost	Replacement Value	Gross Sq. Ft. On Campus
Specialized Institution:				
NC Sch. of Arts	15	$ 3,508,000	$ 9,128,980	139,624
Teaching Hospitals:				
UNC Hosp. at C.H.	-	-	-	-
Community Colleges:				
SUBTOTAL	3	112,500	678,208	9,017
		PRIVATE INSTITUTIONS		
Major Research Universities:				
SUBTOTAL	137	48,319,684	159,569,637	2,413,442
Gen. Baccalaureate Colleges:				
SUBTOTAL	623	107,551,906	400,969,298	6,033,173
Junior Colleges:				
SUBTOTAL	61	11,633,104	54,058,099	762,872
GRAND TOTAL	1,135	$354,853,853	$1,366,658,808	19,804,611

Table 20

Capital Investment, Residential Buildings

INSTITUTION	No. of Bldgs.	Building Cost	Replacement Value	Gross Sq. Ft. On Campus
Community Colleges:				
Alamance CC	1	$ 4,000	$ 9,446	672
Anson CC	-	-	-	-
Asheville-Bun. TCC	-	-	-	-
Beaufort Co. CC	-	-	-	-
Bladen CC	-	-	-	-
Blue Ridge CC	-	-	-	-
Brunswick CC	-	-	-	-
Caldwell CC & TI	-	-	-	-
Cape Fear CC	-	-	-	-
Carteret CC	-	-	-	-
Catawba Vy. CC	-	-	-	-
C. Carolina CC	-	-	-	-
C. Piedmont CC	1	56,500	192,197	3,000
Cleveland CC	-	-	-	-
Coastal Car. CC	-	-	-	-
Col. Albemarle	-	-	-	-
Craven CC	-	-	-	-
Davidson Co. CC	-	-	-	-
Durham TCC	-	-	-	-
Edgecombe CC	-	-	-	-
Fayetteville TCC	-	-	-	-
Forsyth TCC	-	-	-	-
Gaston Col.	-	-	-	-
Guilford TCC	-	-	-	-
Halifax CC	-	-	-	-
Haywood CC	-	-	-	-
Isothermal CC	-	-	-	-
J. Sprunt CC	-	-	-	-
Johnston CC	-	-	-	-
Lenoir CC	-	-	-	-

Table 20

Capital Investment, Residential Buildings

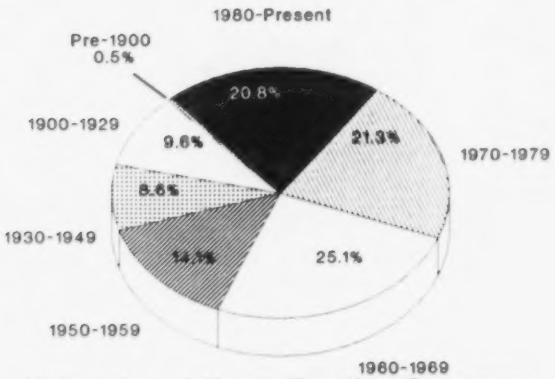
INSTITUTION	No. of Bldgs.	Building Cost	Replacement Value	Gross Sq. Ft. On Campus
Community Colleges:				
Martin CC	-	-	-	-
Mayland CC	-	-	-	-
McDowell TCC	-	-	-	-
Mitchell CC	-	-	-	-
Montgomery CC	-	-	-	-
Nash CC	-	-	-	-
Pamlico CC	-	-	-	-
Piedmont CC	-	-	-	-
Pitt CC	-	-	-	-
Randolph CC	-	-	-	-
Richmond CC	-	-	-	-
Roanoke-Cho. CC	-	-	-	-
Robeson CC	-	-	-	-
Rockingham CC	-	-	-	-
Rowan-Cab. CC	-	-	-	-
Sampson CC	-	-	-	-
Sandhills CC	1	52,000	476,565	5,345
Southeastern CC	-	-	-	-
Southwestern CC	-	-	-	-
Stanly CC	-	-	-	-
Surry CC	-	-	-	-
Tri-County CC	-	-	-	-
Vance-Granv. CC	-	-	-	-
Wake TCC	-	-	-	-
Wayne CC	-	-	-	-
W. Piedmont CC	-	-	-	-
Wilkes CC	-	-	-	-
Wilson Co. TC	-	-	-	-
TOTAL	3	$ 112,500	$ 678,208	9,017

TABLE 21:
AGE OF BUILDINGS

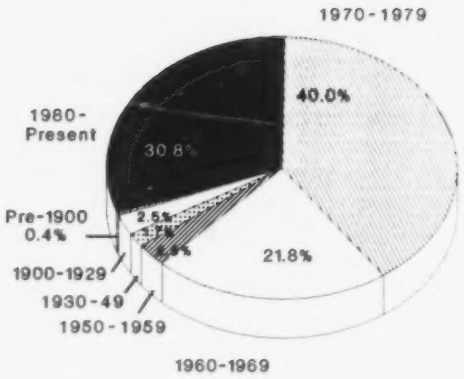
This table reports the total gross square footage of North Carolina colleges and universities by year of construction categories. For purposes of this study, the year of construction is defined as the year that the building was completed regardless of any later year of occupancy.

Although this table gives some indication of how new an institution's facilities are, it does not take into account renovations. The data in this table should, therefore, be considered in conjunction with Table 22 (Condition of Buildings) and Table 23 (Estimated Cost to Renovate or Replace Unsatisfactory Facilities).

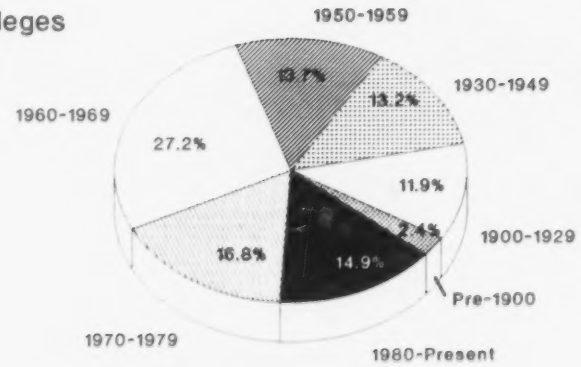
PERCENTAGE DISTRIBUTION OF GROSS AREA BY AGE OF BUILDINGS



University of North Carolina Campuses
and UNC Hospitals at Chapel Hill



Community Colleges



Private Institutions

Age of Buildings

Table 21

INSTITUTION	Total Gross Square Feet	Period of Construction: Pre-1900 Gross Sq. Ft.	1900-1929 Gross Sq. Ft.	1930-1949 Gross Sq. Ft.	1950-1959 Gross Sq. Ft.	1960-1969 Gross Sq. Ft.	1970-1979 Gross Sq. Ft.	1980-Present Gross Sq. Ft.
Major Research Universities:								
NC State	7,260,459	44,407	896,270	1,012,013	1,521,028	1,645,896	1,168,730	972,115
NC State Vet.	372,607	-	-	28,559	3,979	1,242	-	338,827
UNC-Chapel Hill	6,848,853	123,808	1,542,124	824,958	551,760	1,880,761	537,372	1,388,070
UNC-Health Aff.	2,850,067	-	-	146,126	278,218	561,547	1,479,459	384,717
SUBTOTAL	17,331,986	168,215	2,438,394	2,011,656	2,354,985	4,089,446	3,185,561	3,083,729
Other Doctoral Universities:								
UNC-Greensboro	2,813,867	31,100	630,847	231,390	425,091	482,899	656,524	356,016
Comprehensive Universities:								
Appalachian	2,900,880	-	78,716	206,903	380,942	1,097,978	669,857	466,484
East Carolina	2,996,802	-	323,282	169,181	507,858	1,186,699	554,615	255,167
ECU-Health Aff.	621,676	-	-	11,744	-	38,894	63,173	507,865
Fayetteville	841,418	-	26,913	130,703	70,410	218,938	193,214	201,240
NC A & T	2,065,531	-	99,089	155,758	793,935	335,089	301,161	380,499
NC Central	1,551,131	-	36,379	225,213	469,874	332,330	174,475	312,860
UNC-Charlotte	2,384,326	-	-	-	-	573,645	1,026,471	784,210
UNC-Wilmington	1,434,095	-	9,000	12,250	-	234,802	515,250	662,793
West'n Carolina	2,346,644	-	56,107	182,379	332,898	706,902	575,861	492,497
SUBTOTAL	17,142,503	-	629,486	1,094,131	2,555,917	4,725,277	4,074,077	4,063,615
Gen. Baccalaureate Universities:								
Elizabeth City	786,562	-	89,399	57,955	107,940	157,192	148,883	225,193
Pembroke	705,283	-	-	16,230	33,549	269,561	317,128	68,815
UNC-Asheville	749,824	-	6,029	-	-	299,360	95,850	348,585
Winston-Salem	919,988	-	97,672	80,460	59,750	224,807	277,422	179,877
SUBTOTAL	3,161,657	-	193,100	154,645	201,239	950,920	839,283	822,470
Specialized Institution:								
NC Sch. of Arts	610,533	-	166,636	91,714	26,382	149,021	113,629	63,151
Teaching Hospitals:								
UNC Hosp. at C.H.	1,259,992	-	-	49,470	389,251	244,238	142,217	434,816
Community Colleges:								
SUBTOTAL	12,708,417	52,368	314,764	214,275	371,170	2,766,255	5,079,004	3,910,581
PRIVATE INSTITUTIONS								
Major Research Universities:								
SUBTOTAL	13,040,604	35,728	1,422,371	2,174,427	1,839,825	1,983,326	2,907,969	2,676,958
Gen. Baccalaureate Colleges:								
SUBTOTAL	15,689,956	474,786	2,067,445	1,793,760	2,101,039	5,618,470	1,949,839	1,684,617
Junior Colleges:								
SUBTOTAL	1,870,621	213,989	143,651	63,352	253,315	711,590	282,195	202,529
GRAND TOTAL	85,630,136	976,186	8,006,694	7,878,820	10,518,214	21,721,442	19,230,298	17,298,482

Age of Buildings

Table 21

INSTITUTION	Total Gross Square Feet	Period of Construction: Pre-1900 Gross Sq. Ft.	1900-1929 Gross Sq. Ft.	1930-1949 Gross Sq. Ft.	1950-1959 Gross Sq. Ft.	1960-1969 Gross Sq. Ft.	1970-1979 Gross Sq. Ft.	1980-Present Gross Sq. Ft.
Community Colleges:								
Alamance CC	200,945	-	25,729	-	600	-	116,156	58,460
Anson CC	81,656	8,689	-	21,638	-	-	30,495	20,834
Ashev'le-Bun. TCC	482,455	9,981	-	10,411	35,142	108,940	77,917	240,064
Beaufort Co. CC	128,848	-	-	-	-	-	96,967	31,881
Bladen CC	103,372	-	-	-	7,170	-	69,822	26,380
Blue Ridge CC	163,140	-	-	-	-	-	90,815	72,325
Brunswick CC	145,957	-	-	13,813	-	22,989	950	108,205
Caldwell CC & TI	197,180	-	-	-	-	60,471	88,309	48,400
Cape Fear CC	221,912	-	-	-	-	45,540	152,849	23,523
Carteret CC	166,334	-	-	18,000	18,639	32,103	52,377	45,215
Catawba Vy. CC	274,863	-	-	1,650	4,600	74,471	120,835	73,307
C. Carolina CC	168,544	-	-	-	-	66,942	32,400	69,202
C. Piedmont CC	1,333,526	-	106,968	46,683	50,349	235,209	610,404	283,913
Cleveland CC	192,334	-	-	-	-	1,875	45,314	145,145
Coastal Car. CC	214,716	-	-	-	-	-	169,867	44,849
Col. Albemarle	184,196	-	-	5,268	-	-	54,805	124,123
Craven CC	152,266	-	-	-	-	-	73,770	78,496
Davidson Co. CC	211,332	-	-	-	-	85,340	99,766	26,226
Durham TCC	223,212	-	-	-	-	75,434	50,082	97,696
Edgecombe CC	162,094	-	37,209	-	-	-	62,385	62,500
Fayettev'le TCC	407,448	-	-	-	-	166,963	133,612	106,873
Forsyth TCC	414,051	-	-	-	78,490	174,698	63,131	97,732
Gaston Col.	287,894	-	-	-	-	153,100	103,831	30,963
Guilford TCC	585,041	1,931	46,620	28,850	84,325	129,760	187,143	106,412
Halifax CC	132,607	-	-	-	-	-	79,607	53,000
Haywood CC	252,070	-	-	17,354	-	25,972	145,164	63,580
Isothermal CC	220,057	-	-	-	-	57,962	119,876	42,219
J. Sprunt CC	117,601	-	-	3,040	-	24,245	76,630	13,686
Johnston CC	186,898	-	-	-	4,697	-	86,523	95,678
Lenoir CC	224,062	-	-	-	10,622	41,534	142,746	29,160
Martin CC	152,561	-	-	-	-	-	131,825	20,736
Mayland CC	82,161	-	-	-	-	-	36,571	45,590
McDowell TCC	95,881	-	-	-	3,875	30,104	35,658	26,244
Mitchell CC	246,514	31,767	86,106	20,234	-	32,819	75,588	-
Montgomery CC	72,452	-	-	-	-	-	64,090	8,362
Nash CC	177,684	-	-	-	-	-	72,759	104,925
Pamlico CC	40,198	-	-	-	-	-	40,198	-
Piedmont CC	117,486	-	-	-	-	-	88,429	29,057
Pitt CC	209,624	-	-	-	-	87,185	50,360	72,079
Randolph CC	180,877	-	-	-	-	44,387	76,333	60,157
Richmond CC	159,319	-	-	9,000	2,680	56,560	34,785	56,294
Roanoke-Cho. CC	119,175	-	-	-	-	9,633	51,624	57,918
Robeson CC	183,243	-	-	-	-	-	74,419	108,824
Rockingham CC	269,195	-	-	-	-	148,238	63,909	57,048
Rowan-Cab. CC	191,582	-	12,132	-	-	82,925	96,525	-
Sampson CC	117,646	-	-	-	-	2,381	51,865	63,400
Sandhills CC	274,195	-	-	-	-	128,165	63,157	82,873
Southeastern CC	171,005	-	-	-	6,180	80,363	66,014	18,448
Southwestern CC	194,728	-	-	-	-	-	75,826	118,902
Stanly CC	100,311	-	-	-	-	14,131	44,245	41,935
Surry CC	182,076	-	-	-	-	66,452	100,254	15,370
Tri-County CC	103,973	-	-	18,334	-	9,720	17,520	58,399
Vance-Granv. CC	191,516	-	-	-	-	-	127,779	63,737
Wake TCC	349,700	-	-	-	-	95,886	104,623	149,191
Wayne CC	304,369	-	-	-	36,417	61,024	56,969	149,959
W. Piedmont CC	195,113	-	-	-	-	72,716	54,469	67,928
Wilkes CC	223,482	-	-	-	-	98,598	57,322	67,562
Wilson Co. TC	165,740	-	-	-	27,384	61,420	31,340	45,596
TOTAL	12,708,417	52,368	314,764	214,275	371,170	2,766,255	5,079,004	3,910,581

TABLE 22:
CONDITION OF BUILDINGS

The condition of campus buildings has been a matter of increasing concern to college and university administrators. As institutional budgets tightened during the 1970s, several institutions attempted to economize by deferring the maintenance of facilities. Many institutions continued this policy through the 1980s. As a result, some colleges and universities now have buildings which are in such poor condition that they can no longer satisfactorily support the programs for which they were intended. Increasing costs of new construction have made proper maintenance of campus physical plants even more important.

The data in Table 22 are based on the assessment of building conditions by the facilities project officers at the institutions. Although few of them are architects or engineers, they generally have (or have access to) sufficient information about the condition of their institutions' facilities to be able to accurately assign a condition code to each campus building. In those cases where campus project officers do not have this information, they are encouraged to consult qualified physical plant personnel each year for assignment of a condition code. These codes are defined on the following page.

The sums of the percentages for each institution should in theory add to exactly 100.0, but in some cases they do not because of rounding.

BUILDING CONDITION

1. Definition. The physical status and quality of the building at the time of the inventory, based on the best judgment of those responsible for campus development.

2. Description. This building characteristic has the following categories:

   1 - Satisfactory

   Suitable for continued use with normal maintenance.

   2 - Remodeling A

   Requires restoration to present acceptable standards without major room use changes, alterations, or modernizations. The approximate cost of "Remodeling A" is not greater than 25% of the estimated replacement cost of the building.

   3 - Remodeling B

   Requires major updating and/or modernization of the building. The approximate cost of "Remodeling B" is greater than 25%, but not greater than 50% of the estimated replacement cost of the building.

   4 - Remodeling C

   Requires major remodeling of the building. The approximate cost of "Remodeling C" is greater than 50% of the replacement cost of the building.

   5 - Demolition

   Should be demolished or abandoned because the building is unsafe or structurally unsound, irrespective of the need for the space or the availability of funds for a replacement. If a building is scheduled for demolition, its condition is recorded as "demolition," regardless of true condition.

   6 - Termination

   Planned termination or relinquishment of occupancy of the building for reasons other than unsafeness or structural unsoundness, such as abandonment of temporary units or vacation of leased space. If a building is scheduled for termination, its condition is recorded as "termination," regardless of true condition.

Condition of Buildings

Table 22

INSTITUTION	Satisfactory Gross Sq. Ft.	%	Remodeling A Gross Sq. Ft.	%	Remodeling B Gross Sq. Ft.	%	Remodeling C Gross Sq. Ft.	%	Demolition Gross Sq. Ft.	%	Termination Gross Sq. Ft.	%	Total Gross Square Feet
Major Research Universities:													
NC State	1,275,367	17.6	2,724,740	37.5	2,619,305	36.1	593,027	8.2	48,020	0.7	-	-	7,260,459
NC State Vet.	36,691	9.8	322,163	86.5	13,753	3.7	-	-	-	-	-	-	372,607
UNC-Chapel Hill	3,553,207	51.9	2,130,209	31.1	549,983	8.0	508,439	7.4	101,864	1.5	5,151	0.1	6,848,853
UNC-Health Aff.	2,123,192	74.5	348,284	12.2	203,717	7.1	51,633	1.8	16,397	0.6	106,844	3.7	2,850,067
SUBTOTAL	6,988,457	40.3	5,525,396	31.9	3,386,758	19.5	1,153,099	6.7	166,281	1.0	111,995	0.6	17,331,986
Other Doctoral Universities:													
UNC-Greensboro	463,546	16.5	1,108,180	39.4	471,528	16.8	746,489	26.5	5,232	0.2	18,892	0.7	2,813,867
Comprehensive Universities:													
Appalachian	2,363,798	81.5	383,524	13.2	135,668	4.7	17,890	0.6	-	-	-	-	2,900,880
East Carolina	689,715	23.0	1,583,975	52.9	327,378	10.9	395,734	13.2	-	-	-	-	2,996,802
ECU-Health Aff.	536,337	86.3	30,302	4.9	53,787	8.7	-	-	-	-	1,250	0.2	621,676
Fayetteville	479,695	57.0	132,580	15.8	196,276	23.3	-	-	32,867	3.9	-	-	841,418
NC A & T	1,005,459	48.7	795,528	38.5	240,007	11.6	18,627	0.9	5,910	0.3	-	-	2,065,531
NC Central	1,031,555	66.5	281,848	18.2	61,696	4.0	171,653	11.1	4,379	0.3	-	-	1,551,131
UNC-Charlotte	2,154,563	90.4	229,763	9.6	-	-	-	-	-	-	-	-	2,384,326
UNC-Wilmington	1,228,941	85.7	195,494	13.6	660	<0.1	8,000	0.6	1,000	0.1	-	-	1,434,095
West'n Carolina	1,700,111	72.4	216,192	9.2	372,574	15.9	57,767	2.5	-	-	-	-	2,346,644
SUBTOTAL	11,190,174	65.3	3,849,206	22.5	1,388,046	8.1	669,671	3.9	44,156	0.3	1,250	<0.1	17,142,503
Gen. Baccalaureate Universities:													
Elizabeth City	363,019	46.2	244,168	31.0	136,536	17.4	42,839	5.4	-	-	-	-	786,562
Pembroke	681,844	96.7	20,719	2.9	2,720	0.4	-	-	-	-	-	-	705,283
UNC-Asheville	311,204	41.5	101,879	13.6	143,682	19.2	193,059	25.7	-	-	-	-	749,824
Winston-Salem	589,060	64.0	277,097	30.1	53,831	5.9	-	-	-	-	-	-	919,988
SUBTOTAL	1,945,127	61.5	643,863	20.4	336,769	10.7	235,898	7.5	-	-	-	-	3,161,657
Specialized Institution:													
NC Sch. of Arts	456,810	74.8	27,768	4.5	93,299	15.3	32,656	5.3	-	-	-	-	610,533
Teaching Hospitals:													
UNC Hosp. at C. H.	1,259,992	100.0	-	-	-	-	-	-	-	-	-	-	1,259,992
Community Colleges:													
SUBTOTAL	11,823,634	93.0	434,879	3.4	221,816	1.7	142,125	1.1	14,904	0.1	71,059	0.6	12,708,417
PRIVATE INSTITUTIONS													
Major Research Universities:													
SUBTOTAL	12,925,113	99.1	44,672	0.3	57,384	0.4	4,753	<0.1	8,682	0.1	-	-	13,040,604
Gen. Baccalaureate Colleges:													
SUBTOTAL	14,061,223	89.6	1,191,235	7.6	246,797	1.6	122,541	0.8	52,835	0.3	15,325	0.1	15,689,956
Junior Colleges:													
SUBTOTAL	1,835,229	98.1	30,252	1.6	5,140	0.3	-	-	-	-	-	-	1,870,621
GRAND TOTAL	62,949,305	73.5	12,855,451	15.0	6,207,537	7.2	3,107,232	3.6	292,090	0.3	218,521	0.3	85,630,136

Condition of Buildings

Table 22

INSTITUTION	Satisfactory Gross Sq. Ft.	%	Remodeling A Gross Sq. Ft.	%	Remodeling B Gross Sq. Ft.	%	Remodeling C Gross Sq. Ft.	%	Demolition Gross Sq. Ft.	%	Termination Gross Sq. Ft.	%	Total Gross Square Feet
Community Colleges:													
Alamance CC	175,216	87.2	25,729	12.8	-	-	-	-	-	-	-	-	200,945
Anson CC	20,834	25.5	8,689	10.6	27,807	34.1	19,489	23.9	-	-	4,837	5.9	81,656
Asheville-Bun. TCC	462,082	95.8	12,576	2.6	7,797	1.6	-	-	-	-	-	-	482,455
Beaufort Co. CC	128,848	100.0	-	-	-	-	-	-	-	-	-	-	128,848
Bladen CC	98,931	95.7	3,841	3.7	600	0.6	-	-	-	-	-	-	103,372
Blue Ridge CC	163,140	100.0	-	-	-	-	-	-	-	-	-	-	163,140
Brunswick CC	132,869	91.0	950	0.7	2,675	1.8	5,976	4.1	3,487	2.4	-	-	145,957
Caldwell CC & TI	197,180	100.0	-	-	-	-	-	-	-	-	-	-	197,180
Cape Fear CC	221,912	100.0	-	-	-	-	-	-	-	-	-	-	221,912
Carteret CC	97,592	58.7	47,517	28.6	7,671	4.6	2,977	1.8	9,281	5.6	1,296	0.8	166,334
Catawba Vy. CC	274,863	100.0	-	-	-	-	-	-	-	-	-	-	274,863
C. Carolina CC	168,544	100.0	-	-	-	-	-	-	-	-	-	-	168,544
C. Piedmont CC	887,429	66.5	205,119	15.4	144,635	10.8	96,343	7.2	-	-	-	-	1,333,526
Cleveland CC	192,334	100.0	-	-	-	-	-	-	-	-	-	-	192,334
Coastal Car. CC	214,716	100.0	-	-	-	-	-	-	-	-	-	-	214,716
Col. Albemarle	178,928	97.1	-	-	-	-	5,268	2.9	-	-	-	-	184,196
Craven CC	152,266	100.0	-	-	-	-	-	-	-	-	-	-	152,266
Davidson Co. CC	211,332	100.0	-	-	-	-	-	-	-	-	-	-	211,332
Durham TCC	223,212	100.0	-	-	-	-	-	-	-	-	-	-	223,212
Edgecombe CC	162,094	100.0	-	-	-	-	-	-	-	-	-	-	162,094
Fayettev'le TCC	400,248	98.2	7,200	1.8	-	-	-	-	-	-	-	-	407,448
Forsyth TCC	414,051	100.0	-	-	-	-	-	-	-	-	-	-	414,051
Gaston Col.	287,894	100.0	-	-	-	-	-	-	-	-	-	-	287,894
Guilford TCC	585,041	100.0	-	-	-	-	-	-	-	-	-	-	585,041
Halifax CC	132,607	100.0	-	-	-	-	-	-	-	-	-	-	132,607
Haywood CC	249,670	99.0	2,400	1.0	-	-	-	-	-	-	-	-	252,070
Isothermal CC	220,057	100.0	-	-	-	-	-	-	-	-	-	-	220,057
J. Sprunt CC	115,057	97.8	-	-	-	-	1,272	1.1	1,272	1.1	-	-	117,601
Johnston CC	186,898	100.0	-	-	-	-	-	-	-	-	-	-	186,898
Lenoir CC	215,038	96.0	-	-	-	-	-	-	-	-	9,024	4.0	224,062
Martin CC	152,561	100.0	-	-	-	-	-	-	-	-	-	-	152,561
Mayland CC	82,161	100.0	-	-	-	-	-	-	-	-	-	-	82,161
McDowell TCC	95,881	100.0	-	-	-	-	-	-	-	-	-	-	95,881
Mitchell CC	243,540	98.8	-	-	2,974	1.2	-	-	-	-	-	-	246,514
Montgomery CC	72,452	100.0	-	-	-	-	-	-	-	-	-	-	72,452
Nash CC	177,684	100.0	-	-	-	-	-	-	-	-	-	-	177,684
Pamlico CC	40,198	100.0	-	-	-	-	-	-	-	-	-	-	40,198
Piedmont CC	117,486	100.0	-	-	-	-	-	-	-	-	-	-	117,486
Pitt CC	192,368	91.8	-	-	-	-	-	-	-	-	17,256	8.2	209,624
Randolph CC	180,877	100.0	-	-	-	-	-	-	-	-	-	-	180,877
Richmond CC	159,319	100.0	-	-	-	-	-	-	-	-	-	-	159,319
Roanoke-Cho. CC	109,542	91.9	-	-	-	-	-	-	-	-	9,633	8.1	119,175
Robeson CC	183,243	100.0	-	-	-	-	-	-	-	-	-	-	183,243
Rockingham CC	269,195	100.0	-	-	-	-	-	-	-	-	-	-	269,195
Rowan-Cab. CC	191,582	100.0	-	-	-	-	-	-	-	-	-	-	191,582
Sampson CC	117,646	100.0	-	-	-	-	-	-	-	-	-	-	117,646
Sandhills CC	160,734	58.6	106,727	38.9	4,334	1.6	2,400	0.9	-	-	-	-	274,195
Southeastern CC	171,005	100.0	-	-	-	-	-	-	-	-	-	-	171,005
Southwestern CC	194,728	100.0	-	-	-	-	-	-	-	-	-	-	194,728
Stanly CC	86,180	85.9	14,131	14.1	-	-	-	-	-	-	-	-	100,311
Surry CC	182,076	100.0	-	-	-	-	-	-	-	-	-	-	182,076
Tri-County CC	88,168	84.8	-	-	6,541	6.3	8,400	8.1	864	0.8	-	-	103,973
Vance-Granv. CC	191,516	100.0	-	-	-	-	-	-	-	-	-	-	191,516
Wake TCC	349,700	100.0	-	-	-	-	-	-	-	-	-	-	349,700
Wayne CC	258,574	85.0	-	-	16,782	5.5	-	-	-	-	29,013	9.5	304,369
W. Piedmont CC	195,113	100.0	-	-	-	-	-	-	-	-	-	-	195,113
Wilkes CC	223,482	100.0	-	-	-	-	-	-	-	-	-	-	223,482
Wilson Co. TC	165,740	100.0	-	-	-	-	-	-	-	-	-	-	165,740
TOTAL	11,823,634	93.0	434,879	3.4	221,616	1.7	142,125	1.1	14,904	0.1	71,059	0.6	12,708,417

TABLE 23:
ESTIMATED COST TO RENOVATE OR REPLACE UNSATISFACTORY FACILITIES

The common practice of deferring standard maintenance of college and university facilities has forced many institutions to face the prospect of extensive renovations and the total replacement of some buildings. On a national level, the cost of bringing buildings to a satisfactory condition and replacing inadequate facilities has been recently estimated at over $60 billion.

Table 23 estimates the costs of bringing all campus buildings to a satisfactory condition by renovating unsatisfactory facilities and replacing buildings which are designated for demolition due to their unsafe condition or which will be vacated by institutions for any other reason. It does not estimate the cost of new construction required by any inadequacies in the amount of space.

These estimates were calculated by taking the estimated replacement value of each unsatisfactory building and multiplying it by the appropriate "cost midpoint" based on the condition of the building. (See Table 19 for a discussion of estimated replacement values and Table 22 for definitions of condition codes.)

The cost midpoints used in generating the estimates for Table 23 are as follows:

Condition	Cost Midpoint
Remodeling A	20%
Remodeling B	37.5%
Remodeling C	75%
Demolition	100%
Termination	100%

Thus, for example, if a building in Remodeling A condition has an estimated replacement value of $1,000,000, the cost to bring it to satisfactory condition would be estimated to be $200,000.

Current year dollar figures for total campus original building cost, estimated replacement cost, and renovation/replacement needs are presented in the table.

Table 23

Estimated Cost to Renovate or Replace Unsatisfactory Facilities

INSTITUTION	Original Building Cost	Estimated Replacement Cost	Estimated Cost of Restoring Facilities to Satisfactory Condition
Major Research Universities:			
NC State	$ 160,098,420	$ 484,912,994	$136,987,680
NC State Vet.	23,846,176	32,603,113	6,049,597
UNC-Chapel Hill	190,247,640	766,325,954	135,625,742
UNC-Health Aff.	114,042,208	366,930,125	37,115,355
SUBTOTAL	488,234,444	1,650,772,186	315,778,374
Other Doctoral Universities:			
UNC-Greensboro	67,309,290	195,223,062	66,556,810
Comprehensive Universities:			
Appalachian	85,469,560	213,238,578	8,941,732
East Carolina	70,549,284	207,545,618	48,958,753
ECU-Health Aff.	39,397,896	55,737,407	2,063,331
Fayetteville	25,891,571	61,979,438	8,980,532
NC A & T	52,533,711	149,349,014	16,851,579
NC Central	39,714,075	111,094,734	14,903,777
UNC-Charlotte	86,086,923	184,928,880	3,928,697
UNC-Wilmington	60,562,699	108,594,988	4,246,414
West'n Carolina	65,369,478	166,732,808	15,626,950
SUBTOTAL	525,575,197	1,259,201,465	124,501,765
Gen. Baccalaureate Universities:			
Elizabeth City	25,642,391	59,810,759	9,636,843
Pembroke	21,964,362	51,598,685	384,365
UNC-Asheville	37,427,563	56,019,982	14,353,804
Winston-Salem	29,125,322	64,490,557	5,197,720
SUBTOTAL	114,159,638	231,919,983	29,572,732

Estimated Cost to Renovate or Replace Unsatisfactory Facilities

Table 23

INSTITUTION	Original Building Cost	Estimated Replacement Cost	Estimated Cost of Restoring Facilities to Satisfactory Condition
Specialized Institution:			
NC Sch. of Arts	$ 17,218,304	$ 49,823,860	$ 4,705,210
Teaching Hospitals:			
UNC Hosp. at C.H.	66,649,183	144,623,883	-
Community Colleges:			
SUBTOTAL	411,146,560	831,545,547	22,931,681
	PRIVATE INSTITUTIONS		
Major Research Universities:			
SUBTOTAL	554,490,540	1,163,749,833	9,322,260
Gen. Baccalaureate Colleges:			
SUBTOTAL	337,988,288	1,107,509,181	32,530,757
Junior Colleges:			
SUBTOTAL	37,036,919	130,437,072	546,849
GRAND TOTAL	$2,619,808,363	$6,764,806,072	$606,446,438

Table 23

Estimated Cost to Renovate or Replace Unsatisfactory Facilities

INSTITUTION	Original Building Cost	Estimated Replacement Cost	Estimated Cost of Restoring Facilities to Satisfactory Condition
Community Colleges:			
Alamance CC	$ 9,337,403	$ 17,376,633	$ 300,966
Anson CC	1,886,292	5,079,230	2,092,867
Ashev'le-Bun. TCC	13,871,798	29,086,995	366,394
Beaufort Co. CC	3,691,187	7,499,550	-
Bladen CC	2,797,818	6,472,541	9,545
Blue Ridge CC	6,274,436	10,524,304	-
Brunswick CC	6,759,818	9,005,509	445,203
Caldwell CC & TI	6,798,553	14,485,135	-
Cape Fear CC	4,951,014	16,923,428	-
Carteret CC	5,568,210	12,708,519	1,530,295
Catawba Vy. CC	8,560,568	19,429,593	-
C. Carolina CC	6,434,189	12,376,588	-
C. Piedmont CC	25,292,405	61,850,967	12,099,272
Cleveland CC	9,021,301	13,564,073	-
Coastal Car. CC	9,862,528	16,792,780	-
Col. Albemarle	8,020,940	14,076,920	290,353
Craven CC	6,757,343	10,966,274	-
Davidson Co. CC	5,949,765	14,252,016	-
Durham TCC	7,126,928	14,403,828	-
Edgecombe CC	5,573,700	10,758,451	-
Fayettev'le TCC	11,677,365	25,174,184	69,594
Forsyth TCC	10,784,952	29,858,780	-
Gaston Col.	8,933,618	20,495,482	-
Guilford TCC	14,735,720	42,264,549	-
Halifax CC	4,683,903	6,853,918	-
Haywood CC	7,379,669	13,936,819	31,670
Isothermal CC	8,478,885	14,367,950	-
J. Sprunt CC	3,096,076	7,215,289	42,851
Johnston CC	8,913,500	13,052,788	-
Lenoir CC	6,981,729	14,862,027	574,263

Table 23

Estimated Cost to Renovate or Replace Unsatisfactory Facilities

INSTITUTION	Original Building Cost	Estimated Replacement Cost	Estimated Cost of Restoring Facilities to Satisfactory Condition
Community Colleges:			
Martin CC	2,837,904	7,781,367	-
Mayland CC	4,077,209	5,872,513	-
McDowell TCC	3,976,052	7,469,103	-
Mitchell CC	3,829,528	14,913,610	67,186
Montgomery CC	2,520,126	4,153,897	-
Nash CC	7,023,010	10,229,955	-
Pamlico CC	1,528,200	3,606,626	-
Piedmont CC	5,610,180	8,917,404	-
Pitt CC	7,142,580	14,240,902	838,381
Randolph CC	5,604,103	11,321,485	-
Richmond CC	4,984,574	11,019,139	-
Roanoke-Cho. CC	4,679,094	8,544,031	619,715
Robeson CC	8,954,000	13,116,310	-
Rockingham CC	9,037,674	18,413,808	-
Rowan-Cab. CC	3,622,700	12,482,205	-
Sampson CC	4,797,302	7,250,277	-
Sandhills CC	10,017,386	18,561,214	1,557,798
Southeastern CC	3,871,309	10,603,049	-
Southwestern CC	9,277,721	13,190,002	-
Stanly CC	3,346,302	6,735,638	180,432
Surry CC	5,436,344	11,693,373	-
Tri-County CC	3,925,673	7,139,536	558,189
Vance-Granv. CC	9,399,347	15,187,803	-
Wake TCC	11,102,207	21,050,867	-
Wayne CC	14,913,341	21,827,095	1,256,707
W. Piedmont CC	7,910,241	14,785,649	-
Wilkes CC	6,932,284	13,777,204	-
Wilson Co. TC	4,588,556	11,946,365	-
TOTAL	$411,146,560	$831,545,547	$22,931,681

Science Complex, Elizabeth City State University

ECSU's new $5.4 million Science Complex, which now houses the institution's geology, biology, and physical sciences instructional and research space, was designed with a special focus on accessibility. The circulation core of the four-story tiered building is a three-level atrium lobby which permits easy access throughout the 54,000-square foot facility. The lobby also connects a lower level wing which includes a planetarium and science lecture hall. The other end of the building is connected to a greenhouse annex at ground level.

This addition to the university's campus is an example of the institution's continuing commitment to meeting the special needs of the mobility impaired. Today more than two-thirds of ECSU's assignable campus space is accessible to the handicapped.

Accessibility of Facilities to the Mobility Impaired

Accessible Area as a Percentage of Assignable 169
Accessible Area by Programs and Subprograms 175
Accessible Area by Room Code 193

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TABLE 24:
ACCESSIBLE AREA AS A PERCENTAGE OF ASSIGNABLE

The Rehabilitation Act of 1973 focused national attention on the rights of handicapped persons. Section 504 of the Act states that "no otherwise qualified handicapped individual in the United States . . . shall, solely by reason of his handicap, be excluded from the participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance."

One of the groups protected by Section 504 is the people who are confined to wheelchairs or whose mobility is otherwise impaired. Although Section 504 does not require that colleges and universities make all of their facilities barrier-free, it does require that the institution's programs be made accessible to the handicapped. Although program accessibility can be partially achieved through changes other than facilities modifications, the amount of assignable space which is accessible to the mobility impaired is a factor which must be carefully considered in making programs accessible.

The National Center for Education Statistics conducted a survey in 1978 to determine the impact of Section 504 on colleges and universities. One of the findings of the survey was that about 76% of the assignable area on college and university campuses would need to be made accessible in order to comply with the program accessibility requirement of Section 504. The survey also found, however, that this percentage varied greatly among different institutions. Since the 1978 study, total campus accessibility for institutions throughout the country have improved dramatically.

For purposes of this study, assignable space is considered to be accessible if a person in a wheelchair can, without assistance, reach that space from immediately outside the building in which the space is located.

Table 24

Accessible Area As a Percentage of Assignable

INSTITUTION	Total Assignable Sq. Ft.	Total Accessible Sq. Ft.	Percent Accessible 1990	1989	1988	1987	1986
Major Research Universities:							
NC State	4,224,775	2,321,191	54.9	54.3	53.1	52.9	54.1
NC State Vet.	222,771	201,747	90.6	90.6	89.3	89.3	88.0
UNC-Chapel Hill	4,533,609	2,701,009	59.6	59.5	59.0	58.6	51.9
UNC-Health Aff.	1,364,722	1,287,747	94.4	92.6	88.4	86.2	84.0
SUBTOTAL	10,345,877	6,511,694	62.9	62.0	60.8	60.2	57.5
Other Doctoral Universities:							
UNC-Greensboro	1,796,719	1,151,228	64.1	66.1	60.7	59.2	59.1
Comprehensive Universities:							
Appalachian	1,996,786	1,150,192	57.6	55.8	55.3	53.0	51.6
East Carolina	2,111,709	1,057,965	50.1	49.9	48.2	44.8	44.8
ECU-Health Aff.	387,357	363,147	93.7	93.9	93.7	94.0	94.0
Fayetteville	556,573	267,075	48.0	48.0	48.0	47.9	40.8
NC A & T	1,429,768	725,582	50.7	50.7	49.8	47.6	46.2
NC Central	1,013,452	406,599	40.1	39.8	39.8	39.9	40.0
UNC-Charlotte	1,548,767	1,325,503	85.6	85.0	84.9	84.9	83.8
UNC-Wilmington	983,391	586,817	59.7	57.0	59.6	57.5	52.4
West'n Carolina	1,599,169	1,065,324	66.6	66.6	65.1	65.6	65.7
SUBTOTAL	11,626,972	6,948,204	59.8	58.9	58.4	57.3	56.0
Gen. Baccalaureate Universities:							
Elizabeth City	553,705	380,924	68.8	66.8	66.9	64.2	60.8
Pembroke	478,845	320,105	66.8	61.2	61.3	61.0	54.1
UNC-Asheville	497,753	426,978	85.8	82.7	82.4	78.0	73.9
Winston-Salem	614,276	377,943	61.5	55.2	55.0	55.0	41.8
SUBTOTAL	2,144,579	1,505,950	70.2	65.4	65.4	63.4	55.8

Table 24

Accessible Area As a Percentage of Assignable

INSTITUTION	Total Assignable Sq. Ft.	Total Accessible Sq. Ft.	Percent Accessible 1990	1989	1988	1987	1986
Specialized Institution:							
NC Sch. of Arts	417,471	292,542	70.1	70.9	70.9	62.8	62.9
Teaching Hospitals:							
UNC Hosp. at C.H.	717,100	711,213	99.2	99.3	99.3	99.3	92.2
Community Colleges:							
SUBTOTAL	8,756,379	8,215,316	93.8	93.5	92.7	91.2	90.4
		PRIVATE INSTITUTIONS					
Major Research Universities:							
SUBTOTAL	7,646,604	5,137,094	67.2	66.3	66.6	64.4	61.4
Gen. Baccalaureate Colleges:							
SUBTOTAL	11,118,551	4,596,221	41.3	40.7	39.9	40.0	38.1
Junior Colleges:							
SUBTOTAL	1,308,024	637,689	48.8	48.1	46.9	44.8	44.3
GRAND TOTAL	55,878,276	35,707,151	63.9	63.1	62.2	60.9	58.5

Table 24

Accessible Area As a Percentage of Assignable

INSTITUTION	Total Assignable Sq. Ft.	Total Accessible Sq. Ft.	Percent Accessible				
			1990	1989	1988	1987	1986
Community Colleges:							
Alamance CC	138,552	137,720	99.4	99.4	99.2	99.2	99.2
Anson CC	59,248	49,234	83.1	80.2	80.9	79.6	84.2
Ashev'le-Bun. TCC	289,810	257,389	88.8	86.8	77.6	75.6	72.9
Beaufort Co. CC	100,114	92,223	92.1	92.1	92.1	91.3	91.3
Bladen CC	79,000	75,636	95.7	96.3	96.3	95.9	95.9
Blue Ridge CC	122,410	121,781	99.5	99.5	99.5	99.4	99.3
Brunswick CC	111,311	95,796	86.1	86.1	81.0	74.6	73.3
Caldwell CC & TI	150,289	140,218	93.3	93.3	92.2	92.2	91.8
Cape Fear CC	152,509	148,628	97.5	97.3	97.3	97.3	97.3
Carteret CC	126,258	110,727	87.7	87.2	88.9	82.8	81.7
Catawba Vy. CC	202,756	178,657	88.1	88.1	87.3	72.1	72.1
C. Carolina CC	129,622	127,040	98.0	98.0	97.9	97.9	97.5
C. Piedmont CC	524,444	505,639	96.4	93.9	94.0	92.4	92.1
Cleveland CC	135,751	133,957	98.7	98.6	98.4	95.6	95.6
Coastal Car. CC	159,731	159,731	100.0	100.0	100.0	100.0	100.0
Col. Albemarle	119,278	119,153	99.9	99.9	99.9	99.9	99.9
Craven CC	105,676	105,216	99.6	99.4	99.4	99.4	99.4
Davidson Co. CC	146,861	144,533	98.4	98.4	98.4	99.7	99.7
Durham TCC	160,358	147,911	92.2	95.0	95.0	94.9	94.2
Edgecombe CC	106,993	90,204	84.3	81.8	81.8	81.8	79.4
Fayettev'le TCC	294,533	269,082	91.4	92.3	92.1	90.2	89.9
Forsyth TCC	309,053	303,514	98.2	98.2	98.1	98.1	98.0
Gaston Col.	199,612	186,166	93.3	93.3	93.0	93.0	93.0
Guilford TCC	419,736	335,068	79.8	79.9	78.7	69.6	67.7
Halifax CC	96,610	95,886	99.3	99.2	99.2	99.2	97.6
Haywood CC	197,462	172,928	87.6	88.3	88.3	88.3	88.1
Isothermal CC	169,423	148,995	87.9	85.0	85.0	82.6	82.6
J. Sprunt CC	86,453	83,123	96.1	94.7	94.5	91.1	90.1
Johnston CC	140,157	138,435	98.8	98.8	98.4	99.6	98.3
Lenoir CC	173,585	170,734	98.4	98.4	98.2	98.1	97.3

Accessible Area As a Percentage of Assignable

Table 24

INSTITUTION	Total Assignable Sq. Ft.	Total Accessible Sq. Ft.	Percent Accessible 1990	1989	1988	1987	1986
Community Colleges:							
Martin CC	111,911	109,424	97.8	97.8	97.8	97.8	97.8
Mayland CC	59,327	58,705	99.0	98.9	85.0	92.1	98.1
McDowell TCC	72,456	69,719	96.2	96.2	96.1	96.1	88.7
Mitchell CC	178,590	149,974	84.0	82.6	82.6	82.6	78.1
Montgomery CC	50,518	50,361	99.7	99.4	99.4	99.4	99.4
Nash CC	127,992	126,724	99.0	99.0	94.3	85.7	87.3
Pamlico CC	28,725	27,496	95.7	95.7	95.7	95.7	95.7
Piedmont CC	98,191	96,956	98.7	98.7	98.7	97.4	97.3
Pitt CC	153,853	142,598	92.7	91.2	91.2	90.5	88.6
Randolph CC	141,525	141,525	100.0	100.0	100.0	100.0	100.0
Richmond CC	114,325	104,408	91.3	91.3	90.9	88.7	87.7
Roanoke-Cho. CC	83,595	80,175	95.9	95.9	95.9	95.9	87.5
Robeson CC	136,227	132,923	97.6	97.6	96.3	97.7	95.4
Rockingham CC	192,840	181,823	94.3	94.6	94.7	93.5	93.4
Rowan-Cab. CC	146,324	146,324	100.0	100.0	100.0	100.0	97.1
Sampson CC	87,516	85,856	98.1	98.1	98.1	96.8	93.2
Sandhills CC	198,868	185,825	93.4	93.9	92.3	92.3	91.7
Southeastern CC	127,353	103,231	81.1	80.4	80.3	80.3	80.8
Southwestern CC	143,013	136,674	95.6	97.8	97.8	96.6	96.3
Stanly CC	73,728	73,698	100.0	100.0	100.0	100.0	99.9
Surry CC	133,845	125,179	93.5	93.5	93.5	93.0	93.0
Tri-County CC	82,943	80,124	96.6	96.6	96.1	96.1	95.5
Vance-Granv. CC	126,717	123,129	97.2	97.2	96.6	88.3	88.3
Wake TCC	246,431	226,416	91.9	90.7	90.1	87.3	85.5
Wayne CC	215,113	205,696	95.6	95.2	90.6	91.3	91.4
W. Piedmont CC	133,905	128,714	96.1	94.3	92.7	92.7	92.7
Wilkes CC	165,536	160,682	97.1	97.1	96.8	96.8	96.8
Wilson Co. TC	117,417	115,633	98.5	98.5	98.4	98.5	98.5
TOTAL	8,756,379	8,215,316	93.8	93.5	92.7	91.2	90.4

TABLE 25:
ACCESSIBLE AREA
BY SUMMARY PROGRAMS AND SUBPROGRAMS

The requirement that all colleges and universities make their programs accessible to handicapped persons makes careful planning on the part of campus administrators especially important. Although program accessibility does not require that a campus be barrier-free, the concepts of program accessibility and facilities accessibility are inherently interrelated. Campus administrators must therefore analyze their campus facilities in terms of accessibility, focusing particularly on the kinds of space which are accessible.

Table 25 and Tables 25a-25d indicate for each program and subprogram the percentage of assignable space which is accessible to the mobility impaired. A dash indicates that a particular institution has no assignable space under the indicated program or subprogram. A "0.0" indicates that the institution has *assignable* space under the program and subprogram but that none of it is *accessible*. Definitions of the programs and subprograms listed in these tables can be found in the narratives preceding Tables 14-14d. Subprogram 03 (Building Service) is not included in Table 25d (and is not considered as part of Program 00 in Table 25) because it applies to nonassignable area only.

It is not possible to develop standards to indicate how much accessible space in each program and subprogram is needed to achieve program accessibility. The figures would vary from institution to institution based on the kinds of programmatic changes that had been implemented to assist handicapped persons. For example, the financial aid program at a college or university would be considered accessible if a handicapped student had the same access to the financial aid and related counseling which the institution offered to other students. This could be accomplished without making the space occupied by the financial aid office accessible. Thus, a program or subprogram which has little or no accessible area is not necessarily inaccessible.

Although the data in Table 25 and Tables 25a-25d cannot be used to ascertain whether program accessibility has been achieved, the information does provide facilities planners with a detailed breakdown of the accessible space on their campuses. This will in turn assist each institution in the determination of the most practical means of achieving program accessibility.

Table 25

Accessible Area by Summary Programs

(Percentages relate to assignable space in each program.)

INSTITUTION	Accessible Sq. Ft.	Instruction 10	Research 20	Public Serv. 30	Acad. Spt. 40	Stud. Serv. 50	Inst. Admin. 60	Phys. Plt. Opns. 70	Stud. Fin. Spt. 80	Indep. Opns. 90	Unassigned 00
Major Research Universities:											
NC State	2,321,191	68.7	68.3	64.9	90.8	26.9	64.0	59.4	-	27.4	60.1
NC State Vet.	201,747	74.8	96.9	99.8	97.0	93.1	100.0	100.0	-	-	-
UNC-Chapel Hill	2,685,622	78.7	89.2	72.5	77.4	35.0	60.5	79.0	-	65.0	33.9
UNC-Health Aff.	1,286,232	94.9	93.9	96.2	95.9	96.9	100.0	96.0	-	84.6	86.0
SUBTOTAL	6,494,792	76.2	80.1	79.4	84.1	32.3	62.2	70.7	-	65.8	57.0
Other Doctoral Universities:											
UNC-Greensboro	1,151,228	86.7	97.0	100.0	96.5	40.4	63.5	88.9	-	-	9.7
Comprehensive Universities:											
Appalachian	1,150,192	75.2	98.2	85.3	94.1	35.3	66.6	66.1	-	100.0	80.5
East Carolina	1,057,965	77.4	75.6	98.0	97.6	19.9	45.8	50.4	-	91.4	56.5
ECU-Health Aff.	363,147	99.3	38.2	100.0	100.0	43.1	100.0	11.4	-	-	-
Fayetteville	267,075	67.4	100.0	35.2	84.7	17.4	70.3	26.1	-	0.0	-
NC A & T	725,582	67.0	57.1	8.3	74.6	21.4	84.5	81.2	-	0.0	-
NC Central	406,599	65.1	5.4	100.0	77.6	12.8	9.9	0.0	-	0.0	16.8
UNC-Charlotte	1,325,503	99.0	100.0	-	98.7	71.0	100.0	100.0	-	-	-
UNC-Wilmington	586,817	85.7	46.6	-	94.7	37.1	66.0	95.3	-	38.3	30.4
West'n Carolina	1,065,324	85.5	98.1	100.0	97.7	49.4	56.5	44.3	-	60.0	30.2
SUBTOTAL	6,948,204	79.9	65.1	77.0	91.2	35.4	62.6	59.6	-	53.0	30.4
Gen. Baccalaureate Universities:											
Elizabeth City	380,924	91.3	-	100.0	97.7	40.0	68.1	100.0	-	100.0	100.0
Pembroke	320,105	82.1	-	100.0	99.2	40.3	81.5	99.4	-	-	100.0
UNC-Asheville	426,978	88.8	100.0	100.0	100.0	75.8	61.9	100.0	-	100.0	100.0
Winston-Salem	377,943	69.9	31.7	19.3	91.1	42.9	41.7	87.4	-	100.0	93.3
SUBTOTAL	1,505,950	82.8	67.0	96.9	96.7	48.2	62.7	96.1	-	100.0	96.3
Specialized Institutions:											
NC Sch. of Arts	292,542	86.8	-	100.0	92.5	36.8	44.2	99.2	-	100.0	100.0
Teaching Hospitals:											
UNC Hosp. at C. Hill	711,213	100.0	-	99.2	-	-	100.0	100.0	-	-	100.0
Community Colleges:											
SUBTOTAL	8,215,316	94.2	-	93.1	97.0	95.1	90.7	79.5	-	98.4	81.1
PRIVATE INSTITUTIONS											
Major Research Universities:											
SUBTOTAL	5,137,094	79.8	85.8	94.6	89.0	35.6	51.1	44.8	-	74.8	79.5
Gen. Baccalaureate Colleges:											
SUBTOTAL	4,596,221	58.5	62.8	25.3	75.4	33.3	20.7	37.8	-	11.3	11.5
Junior Colleges:											
SUBTOTAL	637,689	60.5	-	0.0	66.2	44.0	25.8	84.1	-	8.8	0.0
GRAND TOTAL	35,690,249	80.3	81.2	92.8	88.0	38.3	51.1	60.7	-	64.7	52.4

Table 25

Accessible Area by Summary Programs

(Percentages relate to assignable space in each program.)

INSTITUTION	Accessible Sq. Ft.	Instruction 10	Research 20	Public Serv. 30	Acad. Spt. 40	Stud. Serv. 50	Inst. Admin. 60	Phys. Plt. Opns. 70	Stud. Fin. Spt. 80	Indep. Opns. 90	Unassigned 00
Community Colleges:											
Alamance CC	137,720	99.8	-	100.0	100.0	100.0	92.6	100.0	-	-	100.0
Anson CC	49,234	76.4	-	0.0	81.0	87.3	97.4	100.0	-	-	100.0
Ashev'le-Bun. TCC	257,389	89.5	-	100.0	94.0	100.0	68.3	98.2	-	-	84.3
Beaufort Co. CC	92,223	92.5	-	-	100.0	79.1	100.0	100.0	-	-	58.8
Bladen CC	75,636	95.0	-	-	98.3	94.3	99.6	-	-	100.0	100.0
Blue Ridge CC	121,781	99.4	-	100.0	100.0	99.8	97.8	100.0	-	100.0	-
Brunswick CC	95,796	77.5	-	100.0	100.0	98.5	97.6	100.0	-	100.0	84.9
Caldwell CC & TI	140,218	89.8	-	-	100.0	97.9	100.0	100.0	-	-	100.0
Cape Fear CC	148,628	98.0	-	100.0	100.0	91.1	99.4	100.0	-	0.0	-
Carteret CC	110,727	90.2	-	100.0	89.6	83.7	100.0	0.0	-	100.0	0.0
Catawba Vy. CC	178,657	89.3	-	100.0	100.0	100.0	56.4	-	-	100.0	-
C. Carolina CC	127,040	97.8	-	-	98.0	99.8	99.4	97.1	-	-	-
C. Piedmont CC	505,639	97.6	-	100.0	96.0	97.3	89.4	82.7	-	-	92.0
Cleveland CC	133,957	98.5	-	100.0	100.0	100.0	100.0	85.8	-	-	77.6
Coastal Car. CC	159,731	100.0	-	100.0	100.0	100.0	100.0	100.0	-	-	-
Col. Albemarle	119,153	99.8	-	100.0	100.0	100.0	100.0	100.0	-	-	-
Craven CC	105,216	99.4	-	100.0	100.0	100.0	100.0	-	-	-	-
Davidson Co. CC	144,533	100.0	-	0.0	99.1	98.7	99.7	100.0	-	100.0	-
Durham TCC	147,911	94.1	-	100.0	98.7	79.6	98.2	31.8	-	100.0	-
Edgecombe CC	90,204	82.4	-	100.0	100.0	100.0	100.0	-	-	-	36.5
Fayettev'le TCC	269,082	92.3	-	100.0	99.3	97.7	75.1	23.6	-	-	-
Forsyth TCC	303,514	97.9	-	100.0	98.8	98.9	98.5	100.0	-	100.0	-
Gaston Col.	186,166	96.2	-	-	88.0	94.2	63.6	100.0	-	-	100.0
Guilford TCC	335,068	78.1	-	100.0	87.7	86.6	88.4	4.7	-	100.0	9.1
Halifax CC	95,886	100.0	-	100.0	100.0	100.0	98.4	79.2	-	-	100.0
Haywood CC	172,928	84.5	-	100.0	94.5	100.0	100.0	99.1	-	100.0	100.0
Isothermal CC	148,995	92.7	-	100.0	44.0	75.8	99.8	100.0	-	-	-
J. Sprunt CC	83,123	97.4	-	100.0	100.0	96.3	100.0	65.3	-	-	-
Johnston CC	138,435	99.7	-	0.0	100.0	100.0	97.0	100.0	-	-	-
Lenoir CC	170,734	97.6	-	100.0	98.9	100.0	100.0	100.0	-	-	100.0
Martin CC	109,424	98.1	-	-	98.7	96.4	97.7	100.0	-	57.0	-
Mayland CC	58,705	99.9	-	100.0	100.0	100.0	92.3	100.0	-	-	-
McDowell TCC	69,719	96.7	-	100.0	100.0	97.8	84.3	100.0	-	-	-
Mitchell CC	149,974	92.6	-	100.0	98.7	59.9	66.3	11.9	-	100.0	78.6
Montgomery CC	50,361	99.6	-	-	100.0	100.0	99.2	100.0	-	-	100.0
Nash CC	126,724	99.1	-	100.0	100.0	100.0	95.4	100.0	-	-	-
Pamlico CC	27,496	99.9	-	100.0	100.0	100.0	98.1	0.0	-	-	-
Piedmont CC	96,956	97.8	-	99.1	100.0	100.0	99.7	100.0	-	100.0	-
Pitt CC	142,598	91.6	-	100.0	99.3	87.5	89.3	100.0	-	-	0.0
Randolph CC	141,525	100.0	-	-	100.0	100.0	100.0	100.0	-	-	100.0
Richmond CC	104,408	90.6	-	100.0	95.1	94.1	100.0	0.0	-	-	-
Roanoke-Cho. CC	80,175	100.0	-	100.0	100.0	100.0	99.5	100.0	-	-	62.9
Robeson CC	132,923	100.0	-	-	100.0	87.7	99.8	100.0	-	-	-
Rockingham CC	181,823	91.9	-	100.0	100.0	99.1	99.9	100.0	-	100.0	100.0
Rowan-Cab. CC	146,324	100.0	-	-	100.0	100.0	100.0	100.0	-	-	-
Sampson CC	85,856	96.9	-	-	100.0	100.0	99.6	100.0	-	-	-
Sandhills CC	185,825	95.2	-	100.0	98.1	98.6	58.6	97.2	-	100.0	26.5
Southeastern CC	103,231	76.5	-	25.0	85.2	96.8	92.5	100.0	-	-	-
Southwestern CC	136,674	100.0	-	0.0	100.0	100.0	99.3	0.0	-	100.0	100.0
Stanly CC	73,698	100.0	-	100.0	100.0	100.0	99.6	100.0	-	-	-
Surry CC	125,179	91.4	-	100.0	100.0	96.9	96.6	100.0	-	-	-
Tri-County CC	80,124	99.2	-	-	83.2	100.0	73.6	-	-	-	-
Vance-Granv. CC	123,129	99.3	-	100.0	100.0	98.1	76.7	100.0	-	-	100.0
Wake TCC	226,416	93.9	-	-	99.5	99.4	77.6	62.0	-	-	77.9
Wayne CC	205,696	93.0	-	100.0	100.0	98.4	99.5	100.0	-	-	100.0
W. Piedmont CC	128,714	99.5	-	100.0	100.0	99.6	100.0	6.0	-	-	100.0
Wilkes CC	160,682	98.1	-	0.0	100.0	92.8	99.6	100.0	-	96.7	-
Wilson Co. TC	115,633	100.0	-	100.0	100.0	96.2	84.4	100.0	-	-	-
TOTAL	8,215,316	94.2	-	93.1	97.0	95.1	90.7	79.5	-	98.4	81.1

Instruction, Research & Public Service Subprograms

(Percentages relate to assignable space in each subprogram.)

Table 25a

INSTITUTION	Gen'l Acad. Instr. 11	Voc. Tech. Instr. 12	Prep. Remed. Instr. 13	Gen'l Studies 14	Occup. Relatd Instr. 15	Social Roles Instr. 16	Home & Family Life 17	Pers. Int. Leis. Instr. 18
Major Research Universities:								
NC State	68.6	-	98.8	-	100.0	-	-	-
NC State Vet.	74.8	-	-	-	-	-	-	-
UNC-Chapel Hill	78.7	-	0.0	100.0	73.8	-	-	-
UNC-Health Aff.	95.7	-	100.0	100.0	54.8	-	-	-
SUBTOTAL	76.2	-	71.5	100.0	65.4	-	-	-
Other Doctoral Universities:								
UNC-Greensboro	86.6	-	100.0	-	-	-	-	-
Comprehensive Universities:								
Appalachian	76.5	-	-	64.4	-	-	-	-
East Carolina	77.4	-	-	-	-	-	-	-
ECU-Health Aff.	99.3	-	-	-	-	-	-	-
Fayetteville	66.6	-	-	100.0	-	-	-	-
NC A & T	66.9	-	100.0	-	-	-	-	-
NC Central	65.0	-	100.0	-	-	100.0	-	-
UNC-Charlotte	99.0	-	-	-	-	-	-	-
UNC-Wilmington	86.6	-	-	-	0.0	-	-	-
West'n Carolina	85.3	-	100.0	100.0	100.0	100.0	-	-
SUBTOTAL	80.2	-	100.0	66.7	38.6	100.0	-	-
Gen. Baccalaureate Universities:								
Elizabeth City	91.1	-	100.0	-	-	-	-	-
Pembroke	82.0	-	100.0	-	-	-	-	-
UNC-Asheville	88.8	-	-	-	-	-	-	-
Winston-Salem	69.4	-	84.4	-	-	-	-	-
SUBTOTAL	82.7	-	92.4	-	-	-	-	-

Instruction, Research & Public Service Subprograms

(Percentages relate to assignable space in each subprogram.)

Table 25a

Inst. & Res. Ctrs.	Indiv. Project Res.	Direct Patient Care	Health Care Svc.	Commu-nity Svc.	Coop. Exten. Svc.	Public Broad. Svc.	INSTITUTION
21	22	31	32	33	34	35	
							Major Research Universities:
100.0	67.6	-	-	95.5	41.5	-	NC State
-	96.9	99.6	100.0	-	-	-	NC State Vet.
28.9	90.1	-	-	80.9	-	0.0	UNC-Chapel Hill
85.8	94.5	98.1	97.4	64.4	-	-	UNC-Health Aff.
86.7	79.9	98.7	98.3	88.0	41.5	0.0	SUBTOTAL
							Other Doctoral Universities:
-	97.0	-	-	100.0	100.0	-	UNC-Greensboro
							Comprehensive Universities:
-	98.2	-	-	85.3	-	-	Appalachian
0.3	87.2	-	-	100.0	-	0.0	East Carolina
-	38.2	100.0	100.0	100.0	-	-	ECU-Health Aff.
-	100.0	-	-	29.8	-	100.0	Fayetteville
100.0	56.1	-	-	25.4	3.3	0.0	NC A & T
0.0	8.6	-	-	100.0	-	-	NC Central
100.0	100.0	-	-	-	-	-	UNC-Charlotte
14.1	81.4	-	-	-	-	-	UNC-Wilmington
-	98.1	-	-	100.0	-	100.0	West'n Carolina
27.7	69.7	100.0	100.0	84.0	3.3	23.6	SUBTOTAL
							Gen. Baccalaureate Universities:
-	-	-	-	100.0	-	100.0	Elizabeth City
-	-	-	-	100.0	-	-	Pembroke
100.0	100.0	-	-	100.0	-	-	UNC-Asheville
-	31.7	-	-	0.0	-	100.0	Winston-Salem
100.0	61.3	-	-	96.7	-	100.0	SUBTOTAL

Instruction, Research & Public Service Subprograms

(Percentages relate to assignable space in each subprogram.)

Table 25a

INSTITUTION	Gen'l Acad. Instr. 11	Voc. Tech. Instr. 12	Prep. Remed. Instr. 13	Gen'l Studies 14	Occup. Relatd Instr. 15	Social Roles Instr. 16	Home & Family Life 17	Pers. Int. Leis. Instr. 18
Specialized Institution:								
NC Sch. of Arts	86.8	-	-	-	-	-	-	-
Teaching Hospitals:								
UNC Hosp. - C.H.	100.0	-	-	-	-	-	-	-
Community Colleges:								
SUBTOTAL	93.9	94.7	90.8	86.5	94.8	100.0	91.3	92.0
PRIVATE INSTITUTIONS								
Major Research Universities:								
SUBTOTAL	79.9	-	100.0	46.1	63.7	-	-	-
Gen. Baccalaureate Colleges:								
SUBTOTAL	58.6	-	49.1	100.0	0.0	-	-	-
Junior Colleges:								
SUBTOTAL	60.5	-	0.0	-	-	-	-	-
GRAND TOTAL	75.0	94.7	85.8	81.4	90.8	100.0	91.3	92.0

Instruction, Research & Public Service Subprograms

(Percentages relate to assignable space in each subprogram.)

Table 25a

Inst. & Res. Ctrs.	Indiv. Project Res.	Direct Patient Care	Health Care Svc.	Commu-nity Svc.	Coop. Exten. Svc.	Public Broad. Svc.	INSTITUTION
21	22	31	32	33	34	35	
							Specialized Institution:
-	-	-	-	100.0	-	-	NC Sch. of Arts
							Teaching Hospitals:
-	-	100.0	98.8	-	-	-	UNC Hosp. - C.H.
							Community Colleges:
-	-	-	-	93.0	100.0	100.0	SUBTOTAL
				PRIVATE INSTITUTIONS			
							Major Research Universities:
-	85.8	99.4	92.4	-	-	100.0	SUBTOTAL
							Gen. Baccalaureate Colleges:
-	62.8	-	-	25.3	-	-	SUBTOTAL
							Junior Colleges:
-	-	-	-	0.0	-	-	SUBTOTAL
66.9	81.6	99.6	95.1	88.4	38.9	40.9	GRAND TOTAL

Instruction, Research & Public Service Subprograms

(Percentages relate to assignable space in each subprogram.)

Table 25a

INSTITUTION	Gen'l Acad. Instr. 11	Voc. Tech. Instr. 12	Prep. Remed. Instr. 13	Gen'l Studies 14	Occup. Relatd Instr. 15	Social Roles Instr. 16	Home & Family Life 17	Pers. Int. Leis. Instr. 18	Commu-nity Svc. 33
Community Colleges:									
Alamance CC	100.0	99.8	100.0	100.0	100.0	-	-	-	100.0
Anson CC	100.0	80.1	0.0	31.7	63.2	-	-	-	0.0
Ashev'le-Bun. TCC	-	88.4	-	81.2	98.6	-	-	100.0	100.0
Beaufort Co. CC	-	92.4	-	93.4	-	-	-	-	-
Bladen CC	-	100.0	100.0	100.0	73.1	100.0	100.0	-	-
Blue Ridge CC	-	99.3	-	100.0	100.0	-	-	-	100.0
Brunswick CC	-	77.4	100.0	100.0	39.7	-	100.0	-	100.0
Caldwell CC & TI	74.0	92.4	100.0	-	-	-	-	-	-
Cape Fear CC	100.0	97.9	100.0	100.0	100.0	-	-	-	100.0
Carteret CC	100.0	90.2	100.0	78.2	100.0	-	-	100.0	100.0
Catawba Vy. CC	100.0	87.5	100.0	100.0	100.0	-	-	100.0	100.0
C. Carolina CC	-	97.6	-	100.0	100.0	-	-	-	-
C. Piedmont CC	97.1	98.1	87.9	100.0	100.0	-	-	-	100.0
Cleveland CC	100.0	98.1	-	100.0	100.0	-	100.0	-	100.0
Coastal Car. CC	100.0	100.0	100.0	100.0	100.0	-	100.0	-	100.0
Col. Albemarle	100.0	99.8	100.0	99.6	100.0	-	-	-	100.0
Craven CC**	100.0	99.3	100.0	100.0	-	-	-	-	-
Davidson Co. CC	100.0	100.0	100.0	100.0	-	-	100.0	-	0.0
Durham TCC	100.0	99.7	-	46.4	5.5	-	-	-	100.0
Edgecombe CC	100.0	80.2	-	100.0	97.9	-	70.3	-	100.0
Fayettev'le TCC	-	92.2	100.0	100.0	-	-	-	-	100.0
Forsyth TCC	-	97.4	100.0	100.0	100.0	-	100.0	100.0	100.0
Gaston Col.	98.6	95.2	100.0	100.0	100.0	100.0	-	-	-
Guilford TCC*	92.4	80.4	89.0	31.3	97.7	100.0	-	54.0	100.0
Halifax CC	100.0	100.0	100.0	100.0	100.0	100.0	-	100.0	100.0
Haywood CC	-	82.2	-	100.0	86.1	-	-	100.0	100.0
Isothermal CC**	97.4	95.8	100.0	58.9	37.7	-	100.0	49.8	-
J. Sprunt CC	100.0	99.2	100.0	24.9	100.0	-	-	-	100.0
Johnston CC	-	99.7	-	100.0	-	-	-	-	0.0
Lenoir CC*	97.5	99.9	-	91.0	100.0	-	17.9	-	100.0

*34 (Coop. Exten. Svc.): Guilford TCC - 100.0, Lenoir CC - 100.0, Pitt CC - 100.0, Subtotal - 100.0.

Instruction, Research & Public Service Subprograms

(Percentages relate to assignable space in each subprogram.)

Table 25a

INSTITUTION	Gen'l Acad. Instr. 11	Voc. Tech. Instr. 12	Prep. Remed. Instr. 13	Gen'l Studies 14	Occup. Relatd Instr. 15	Social Roles Instr. 16	Home & Family Life 17	Pers. Int. Leis. Instr. 18	Commu-nity Svc. 33
Community Colleges:									
Martin CC	95.0	98.8	100.0	100.0	-	-	-	-	-
Mayland CC	-	99.8	-	100.0	100.0	-	-	-	100.0
McDowell TCC	100.0	96.2	100.0	100.0	100.0	-	-	-	100.0
Mitchell CC	83.9	95.6	100.0	100.0	100.0	-	-	-	100.0
Montgomery CC	-	99.6	-	-	-	-	-	-	-
Nash CC	100.0	99.9	100.0	-	98.1	100.0	100.0	-	100.0
Pamlico CC	-	99.9	-	-	-	-	-	-	100.0
Piedmont CC	-	97.7	100.0	95.4	100.0	-	-	-	99.1
Pitt CC*	94.1	92.3	68.5	53.4	100.0	-	-	-	-
Randolph CC	-	100.0	-	100.0	100.0	-	-	-	-
Richmond CC	-	90.0	-	100.0	46.8	100.0	-	-	100.0
Roanoke-Cho. CC	-	100.0	100.0	100.0	100.0	-	-	100.0	100.0
Robeson CC	-	100.0	-	100.0	100.0	-	-	-	-
Rockingham CC	86.9	95.2	-	100.0	100.0	-	-	-	100.0
Rowan-Cab. CC	-	100.0	-	100.0	100.0	-	-	-	-
Sampson CC	-	96.2	100.0	100.0	-	-	100.0	-	-
Sandhills CC	95.1	96.1	100.0	56.8	90.9	-	-	-	100.0
Southeastern CC	83.0	77.1	0.0	82.7	-	-	-	-	25.0
Southwestern CC	-	100.0	100.0	100.0	-	-	-	100.0	0.0
Stanly CC**	-	100.0	-	-	100.0	-	-	-	-
Surry CC	79.5	95.8	100.0	100.0	100.0	-	-	-	100.0
Tri-County CC	100.0	100.0	-	91.4	-	-	100.0	0.0	-
Vance-Granv. CC	100.0	99.2	100.0	100.0	100.0	-	-	-	100.0
Wake TCC	-	93.2	-	100.0	100.0	-	-	-	-
Wayne CC	81.1	96.2	-	98.3	50.8	-	-	-	100.0
W. Piedmont CC	99.5	99.5	-	100.0	100.0	-	-	-	100.0
Wilkes CC	100.0	97.2	-	100.0	-	-	-	-	0.0
Wilson Co. TC	-	100.0	100.0	100.0	100.0	-	100.0	-	100.0
TOTAL	93.9	94.7	90.8	86.5	94.8	100.0	91.3	92.0	93.0

**35 (Public Broad. Svc.): Craven CC - 100.0, Isothermal CC - 100.0, Stanly CC - 100.0, Subtotal - 100.0.

Academic Support Subprograms

(Percentages relate to assignable space in each subprogram.)

Table 25b

INSTITUTION	Libr. Svcs. 41	Museums & Galleries 42	Educ. Media Svcs. 43	Acad. Comput. Spt. 44	Ancil-lary Spt. 45	Acad. Admin. 46	Course & Curr. Devel. 47	Acad. Pers. Dev. 48
Major Research Universities:								
NC State	96.6	-	93.1	86.2	100.0	80.5	-	-
NC State Vet.	96.9	-	85.3	100.0	-	100.0	-	-
UNC-Chapel Hill	81.7	100.0	69.0	84.1	46.0	62.1	-	100.0
UNC-Health Aff.	100.0	-	81.5	100.0	95.6	95.0	98.6	82.7
SUBTOTAL	86.4	100.0	81.1	86.1	77.3	79.8	98.6	94.9
Other Doctoral Universities:								
UNC-Greensboro	99.8	100.0	100.0	98.5	85.8	76.2	-	-
Comprehensive Universities:								
Appalachian	100.0	100.0	100.0	97.3	24.9	86.7	100.0	100.0
East Carolina	100.0	88.9	100.0	57.0	100.0	86.8	-	-
ECU-Health Aff.	100.0	-	100.0	-	100.0	100.0	-	-
Fayetteville	100.0	85.3	3.2	100.0	0.0	90.0	-	-
NC A & T	99.7	77.6	100.0	100.0	57.2	68.4	-	-
NC Central	99.1	76.6	84.7	39.3	8.8	51.2	-	-
UNC-Charlotte	97.9	100.0	100.0	100.0	-	99.9	-	-
UNC-Wilmington	99.1	-	-	0.0	-	77.6	-	0.0
West'n Carolina	100.0	98.9	88.8	100.0	95.8	93.9	-	100.0
SUBTOTAL	99.5	92.1	86.8	78.2	73.2	81.4	100.0	79.2
Gen. Baccalaureate Universities:								
Elizabeth City	100.0	100.0	100.0	100.0	90.4	89.5	-	-
Pembroke	99.9	100.0	100.0	100.0	-	94.4	-	-
UNC-Asheville	100.0	100.0	100.0	100.0	-	100.0	-	-
Winston-Salem	100.0	89.8	100.0	100.0	16.2	72.1	-	-
SUBTOTAL	100.0	95.3	100.0	100.0	68.0	82.8	-	-

Academic Support Subprograms

(Percentages relate to assignable space in each subprogram.)

Table 25b

INSTITUTION	Libr. Svcs. 41	Museums & Galleries 42	Educ. Media Svcs. 43	Acad. Comput. Spt. 44	Ancil-lary Spt. 45	Acad. Admin. 46	Course & Curr. Devel. 47	Acad. Pers. Dev. 48
Specialized Institution:								
NC Sch. of Arts	100.0	59.2	100.0	100.0	100.0	67.3	-	-
Teaching Hospitals:								
UNC Hosp. at C.H.	-	-	-	-	-	-	-	-
Community Colleges:								
SUBTOTAL	97.6	98.4	97.8	100.0	93.2	94.7	100.0	-
PRIVATE INSTITUTIONS								
Major Research Universities:								
SUBTOTAL	94.1	37.8	94.7	92.8	71.0	81.5	-	100.0
Gen. Baccalaureate Colleges:								
SUBTOTAL	77.8	80.5	76.3	70.5	40.6	57.2	-	100.0
Junior Colleges:								
SUBTOTAL	71.1	41.2	-	59.0	-	40.2	-	-
GRAND TOTAL	91.3	83.2	91.1	87.8	75.2	81.2	99.8	90.3

Academic Support Subprograms

Table 25b

(Percentages relate to assignable space in each subprogram.)

INSTITUTION	Libr. Svcs. 41	Museums & Galleries 42	Educ. Media Svcs. 43	Acad. Comput. Spt. 44	Ancil-lary Spt. 45	Acad. Admin. 46	Course & Curr. Devel. 47	Acad. Pers. Dev. 48
Community Colleges:								
Alamance CC	100.0	-	100.0	100.0	100.0	100.0	-	-
Anson CC	100.0	-	100.0	-	-	24.5	-	-
Asheville-Bun. TCC	100.0	-	100.0	100.0	96.1	57.2	-	-
Beaufort Co. CC	100.0	-	100.0	-	-	100.0	100.0	-
Bladen CC	100.0	-	100.0	-	-	91.1	-	-
Blue Ridge CC	100.0	100.0	100.0	-	-	100.0	-	-
Brunswick CC	100.0	-	100.0	-	100.0	100.0	-	-
Caldwell CC & TI	100.0	-	100.0	-	-	100.0	-	-
Cape Fear CC	100.0	-	100.0	100.0	-	100.0	-	-
Carteret CC	100.0	-	100.0	-	-	32.8	-	-
Catawba Vy. CC	100.0	100.0	100.0	-	100.0	100.0	-	-
C. Carolina CC	97.4	-	100.0	-	-	100.0	-	-
C. Piedmont CC	100.0	-	89.9	-	73.1	100.0	-	-
Cleveland CC	100.0	100.0	100.0	-	-	100.0	-	-
Coastal Car. CC	100.0	100.0	100.0	100.0	-	100.0	-	-
Col. Albemarle	100.0	100.0	100.0	-	-	100.0	-	-
Craven CC	100.0	-	100.0	-	-	100.0	-	-
Davidson Co. CC	98.5	-	100.0	100.0	100.0	100.0	-	-
Durham TCC	100.0	-	100.0	-	-	94.8	100.0	-
Edgecombe CC	100.0	-	100.0	100.0	-	100.0	-	-
Fayetteville TCC	98.7	-	100.0	-	-	99.8	-	-
Forsyth TCC	100.0	-	81.3	100.0	-	100.0	-	-
Gaston Col.	100.0	100.0	-	100.0	41.1	100.0	-	-
Guilford TCC	91.8	-	100.0	-	-	64.4	100.0	-
Halifax CC	100.0	-	100.0	-	-	100.0	-	-
Haywood CC	100.0	100.0	50.4	-	100.0	100.0	-	-
Isothermal CC	15.7	-	100.0	-	99.1	100.0	-	-
J. Sprunt CC	100.0	-	-	-	-	100.0	-	-
Johnston CC	100.0	-	100.0	-	-	100.0	-	-
Lenoir CC	99.8	100.0	100.0	-	-	91.4	-	-

Academic Support Subprograms

(Percentages relate to assignable space in each subprogram.)

Table 25b

INSTITUTION	Libr. Svcs. 41	Museums & Galleries 42	Educ. Media Svcs. 43	Acad. Comput. Spt. 44	Ancil-lary Spt. 45	Acad. Admin. 46	Course & Curr. Devel. 47	Acad. Pers. Dev. 48
Community Colleges:								
Martin CC	100.0	-	-	-	-	89.3	-	-
Mayland CC	100.0	-	100.0	-	-	100.0	-	-
McDowell TCC	100.0	100.0	-	100.0	100.0	100.0	-	-
Mitchell CC	99.7	83.9	100.0	-	-	100.0	-	-
Montgomery CC	100.0	-	-	-	100.0	100.0	-	-
Nash CC	100.0	-	-	-	-	100.0	-	-
Pamlico CC	100.0	-	100.0	100.0	-	100.0	-	-
Piedmont CC	100.0	-	100.0	100.0	-	100.0	-	-
Pitt CC	100.0	-	100.0	-	95.6	100.0	100.0	-
Randolph CC	100.0	-	100.0	-	-	100.0	-	-
Richmond CC	93.5	-	100.0	100.0	-	100.0	-	-
Roanoke-Cho. CC	100.0	-	-	-	100.0	100.0	-	-
Robeson CC	100.0	-	100.0	-	-	100.0	-	-
Rockingham CC	100.0	100.0	100.0	-	100.0	100.0	-	-
Rowan-Cab. CC	100.0	-	100.0	100.0	-	100.0	-	-
Sampson CC	100.0	-	-	-	-	100.0	-	-
Sandhills CC	99.8	100.0	100.0	-	-	78.6	-	-
Southeastern CC	80.8	-	100.0	100.0	100.0	100.0	-	-
Southwestern CC	100.0	-	100.0	-	-	100.0	-	-
Stanly CC	100.0	-	100.0	-	-	100.0	-	-
Surry CC	100.0	-	100.0	100.0	-	100.0	-	-
Tri-County CC	81.9	-	-	-	-	100.0	-	-
Vance-Granv. CC	100.0	-	-	100.0	100.0	100.0	-	-
Wake TCC	100.0	-	96.9	100.0	-	100.0	-	-
Wayne CC	100.0	-	100.0	-	-	100.0	100.0	-
W. Piedmont CC	100.0	-	100.0	-	-	100.0	-	-
Wilkes CC	100.0	100.0	100.0	-	100.0	100.0	-	-
Wilson Co. TC	100.0	-	100.0	-	100.0	100.0	-	-
TOTAL	97.6	98.4	97.8	100.0	93.2	94.7	100.0	-

Student Service and Physical Plant Operations Subprograms

Table 25c

(Percentages relate to assignable space in each subprogram.)

INSTITUTION	Stud. Svc. Admin.	Social/ Cultur. Devel.	Couns/ Career Guid.	Finan. Aid Admin.	Student Auxiliary Service	Inter-colleg. Athl.	Stud. Health/ Med. Svc.	Physical Plant Admin.	Build-ing Maint.	Custo-dial Svcs.	Util-ities	Landscp. Grounds Maint.
	51	52	53	54	55	56	57	71	72	73	74	75
Major Research Universities:												
NC State	100.0	84.9	84.5	100.0	14.7	62.1	98.1	55.3	94.0	21.8	13.0	21.9
NC State Vet.	-	100.0	-	-	93.0	-	-	-	100.0	100.0	-	-
UNC-Chapel Hill	0.0	87.0	70.8	0.0	15.9	88.7	86.0	100.0	84.1	69.1	57.6	77.8
UNC-Health Aff.	100.0	100.0	100.0	100.0	100.0	-	96.3	-	-	96.0	-	-
SUBTOTAL	56.3	86.0	78.5	43.0	15.7	80.8	96.7	77.2	89.0	73.9	36.7	63.6
Other Doctoral Universities:												
UNC-Greensboro	94.0	84.3	48.0	92.9	30.6	98.7	97.6	83.1	96.3	-	100.0	-
Comprehensive Universities:												
Appalachian	60.7	78.4	94.1	100.0	20.8	87.9	99.6	53.2	70.3	100.0	100.0	-
East Carolina	0.0	69.4	84.6	100.0	7.7	78.3	0.0	16.3	68.9	7.8	-	0.0
ECU-Health Aff.	-	-	-	-	-	-	43.1	100.0	9.1	-	-	-
Fayetteville	100.0	37.8	100.0	100.0	8.7	41.6	0.0	-	0.0	-	-	100.0
NC A & T	100.0	68.5	100.0	57.4	10.4	28.3	100.0	100.0	82.8	100.0	0.0	100.0
NC Central	0.0	43.4	47.8	0.0	8.9	0.0	0.0	0.0	0.0	-	-	0.0
UNC-Charlotte	100.0	94.7	100.0	100.0	68.0	93.9	92.2	100.0	100.0	100.0	-	-
UNC-Wilmington	97.8	80.0	98.4	100.0	26.0	52.5	99.5	100.0	94.5	-	85.3	-
West'n Carolina	100.0	98.2	100.0	100.0	36.6	90.5	41.6	43.5	38.7	58.3	100.0	-
SUBTOTAL	72.7	75.3	92.1	80.3	25.9	60.8	64.6	97.0	58.1	48.5	88.8	59.2
Gen. Baccalaureate Universities:												
Elizabeth City	100.0	98.8	100.0	65.2	27.5	92.4	0.0	100.0	100.0	-	-	-
Pembroke	83.7	74.8	100.0	100.0	26.8	100.0	43.5	100.0	100.0	82.5	-	100.0
UNC-Asheville	100.0	100.0	100.0	100.0	76.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0
Winston-Salem	7.9	95.8	40.0	0.0	31.8	70.0	0.0	60.4	98.8	0.0	100.0	100.0
SUBTOTAL	51.9	89.6	79.8	51.8	38.2	61.9	23.5	91.8	99.6	69.8	100.0	100.0
Specialized Institution:												
NC Sch. of Arts	0.0	90.0	0.0	100.0	21.5	-	0.0	97.0	100.0	-	-	-
Teaching Hospitals:												
UNC Hosp. at C. Hill	-	-	-	-	-	-	-	-	100.0	-	-	-
Community Colleges:												
SUBTOTAL	95.1	92.7	95.2	100.0	97.8	97.2	82.4	87.8	78.4	93.9	100.0	79.5
PRIVATE INSTITUTIONS												
Major Research Universities:												
SUBTOTAL	99.7	75.6	35.0	70.1	23.1	82.4	26.0	48.2	44.2	86.0	17.8	37.3
Gen. Baccalaureate Colleges:												
SUBTOTAL	63.9	53.3	31.5	30.0	26.0	72.1	56.3	33.7	40.4	11.6	70.3	20.8
Junior Colleges:												
SUBTOTAL	46.5	73.4	82.3	5.0	37.4	95.3	37.5	88.0	89.3	31.6	-	100.0
GRAND TOTAL	76.7	72.6	80.3	66.2	25.0	76.0	64.3	62.8	62.6	59.7	43.9	62.2

Student Service and Physical Plant Operations Subprograms

Table 25c

(Percentages relate to assignable space in each subprogram.)

INSTITUTION	Stud. Svc. Admin.	Social/ Cultur. Devel.	Couns/ Career Guid.	Finan. Aid Admin.	Student Auxiliary Service	Inter-colleg. Athl.	Stud. Health/ Med. Svc.	Physical Plant Admin.	Build-ing Maint.	Custo-dial Svcs.	Util-ities	Landscp. Grounds Maint.
	51	52	53	54	55	56	57	71	72	73	74	75
Community Colleges:												
Alamance CC	100.0	100.0	100.0	100.0	100.0	-	-	100.0	100.0	-	-	-
Anson CC	100.0	76.9	-	100.0	100.0	-	-	-	100.0	-	-	-
Asheville-Bun. TCC	100.0	100.0	100.0	100.0	100.0	-	-	93.3	100.0	-	-	100.0
Beaufort Co. CC	100.0	74.7	38.1	100.0	100.0	-	-	-	100.0	-	-	-
Bladen CC	100.0	95.7	65.2	-	100.0	-	-	-	-	-	-	-
Blue Ridge CC	100.0	99.3	100.0	100.0	100.0	-	-	-	100.0	-	-	100.0
Brunswick CC	89.0	100.0	100.0	100.0	100.0	-	-	-	100.0	-	-	-
Caldwell CC & TI	100.0	100.0	75.4	100.0	100.0	-	-	-	100.0	-	-	100.0
Cape Fear CC	100.0	100.0	100.0	100.0	82.1	-	-	-	-	-	-	100.0
Carteret CC	100.0	74.0	100.0	100.0	85.7	-	-	0.0	0.0	-	-	-
Catawba Vy. CC	100.0	100.0	100.0	100.0	100.0	-	-	-	-	-	-	-
C. Carolina CC	100.0	100.0	100.0	100.0	100.0	-	45.7	97.1	-	-	-	-
C. Piedmont CC	100.0	97.2	100.0	100.0	94.8	-	-	13.4	96.5	69.7	100.0	95.7
Cleveland CC	100.0	100.0	100.0	100.0	100.0	-	-	100.0	85.1	-	-	-
Coastal Car. CC	100.0	100.0	100.0	100.0	100.0	-	-	-	100.0	-	-	-
Col. Albemarle	100.0	100.0	100.0	100.0	100.0	-	-	-	100.0	-	-	-
Craven CC	100.0	100.0	100.0	100.0	100.0	-	-	-	-	-	-	-
Davidson Co. CC	100.0	94.2	100.0	100.0	100.0	-	-	100.0	100.0	-	-	-
Durham TCC	100.0	100.0	100.0	100.0	97.8	-	-	-	38.9	100.0	-	0.0
Edgecombe CC	100.0	100.0	100.0	-	100.0	-	-	-	-	-	-	-
Fayettev'lle TCC	100.0	94.7	100.0	100.0	100.0	-	100.0	100.0	2.8	100.0	-	-
Forsyth TCC	-	100.0	100.0	100.0	97.9	-	-	100.0	100.0	-	-	-
Gaston Col.	100.0	89.5	100.0	100.0	98.8	-	100.0	-	100.0	-	-	-
Guilford TCC	90.3	92.3	50.6	100.0	89.0	-	100.0	-	4.4	100.0	-	0.0
Halifax CC	100.0	100.0	100.0	100.0	100.0	-	-	100.0	78.1	-	-	-
Haywood CC	100.0	100.0	-	100.0	100.0	-	-	100.0	100.0	100.0	-	98.6
Isothermal CC	100.0	44.3	100.0	-	100.0	-	-	100.0	100.0	100.0	100.0	-
J. Sprunt CC	100.0	88.6	100.0	100.0	100.0	-	-	-	65.3	-	-	-
Johnston CC	100.0	100.0	100.0	100.0	100.0	-	-	-	100.0	100.0	-	-
Lenoir CC	100.0	100.0	100.0	100.0	100.0	100.0	-	-	100.0	-	-	-
Martin CC	53.7	95.4	100.0	100.0	100.0	-	-	100.0	100.0	-	-	-
Mayland CC	100.0	100.0	100.0	100.0	100.0	-	-	-	100.0	-	-	-
McDowell TCC	100.0	-	100.0	100.0	96.1	-	100.0	-	100.0	-	-	100.0
Mitchell CC	95.8	34.2	100.0	100.0	96.6	-	-	-	11.9	-	-	-
Montgomery CC	100.0	100.0	100.0	100.0	100.0	-	-	-	100.0	-	-	-
Nash CC	100.0	100.0	100.0	100.0	100.0	-	-	-	100.0	100.0	-	-
Pamlico CC	100.0	-	100.0	-	100.0	-	-	-	0.0	-	-	-
Piedmont CC	100.0	100.0	100.0	-	100.0	-	-	-	100.0	-	-	-
Pitt CC	55.8	64.2	100.0	100.0	100.0	0.0	-	-	100.0	100.0	-	-
Randolph CC	100.0	100.0	100.0	100.0	100.0	-	-	100.0	100.0	-	-	-
Richmond CC	100.0	100.0	100.0	100.0	83.1	-	100.0	-	0.0	-	-	-
Roanoke-Cho. CC	100.0	100.0	100.0	100.0	100.0	-	-	-	-	-	-	100.0
Robeson CC	100.0	76.7	100.0	100.0	100.0	-	-	-	100.0	-	-	-
Rockingham CC	100.0	98.9	100.0	100.0	99.3	-	-	100.0	100.0	-	-	100.0
Rowan-Cab. CC	100.0	-	100.0	100.0	100.0	-	-	-	100.0	-	-	-
Sampson CC	100.0	100.0	100.0	100.0	100.0	-	-	100.0	-	-	-	-
Sandhills CC	100.0	98.5	91.8	100.0	99.9	-	-	-	96.3	100.0	100.0	100.0
Southeastern CC	100.0	92.7	93.2	100.0	100.0	-	-	100.0	100.0	-	-	-
Southwestern CC	100.0	100.0	100.0	100.0	100.0	-	-	-	0.0	-	-	-
Stanly CC	100.0	100.0	100.0	100.0	100.0	-	-	100.0	100.0	-	-	-
Surry CC	100.0	86.8	100.0	100.0	100.0	-	-	100.0	100.0	-	-	-
Tri-County CC	100.0	100.0	100.0	100.0	100.0	-	-	-	-	-	-	-
Vance-Granv. CC	100.0	-	91.3	100.0	100.0	-	-	-	100.0	-	-	-
Wake TCC	100.0	97.0	100.0	100.0	100.0	-	100.0	100.0	58.3	-	-	100.0
Wayne CC	100.0	99.0	100.0	100.0	97.4	-	100.0	-	100.0	-	-	-
W. Piedmont CC	96.0	100.0	100.0	100.0	100.0	-	100.0	100.0	0.0	100.0	-	0.0
Wilkes CC	100.0	95.2	100.0	100.0	100.0	-	-	100.0	100.0	100.0	-	-
Wilson Co. TC	100.0	100.0	100.0	100.0	100.0	-	0.0	100.0	100.0	-	-	-
TOTAL	96.1	92.1	95.2	100.0	97.8	97.2	82.4	87.8	78.4	93.9	100.0	79.5

BEST COPY AVAILABLE

Table 25d

Institutional Administration, Independent Operations & Unassigned Subprograms

(Percentages relate to assignable space in each subprogram.)

INSTITUTION	Exec. Mgmt.	Fin. Mgmt. & Opnss	Gen. Adm. Log. Svc.	Admin. Comput. Spt.	Fac/Staff Aux. Svcs.	Public Rela/ Devel.	Stud. Recruit. Admiss.	Stud. Recd.	Indep. Opns. Inst.	Indep. Opns. Ext. Agency	Unassigned Usable	Unassigned Unusable
	61	62	63	64	65	66	67	68	91	92	01	02
Major Research Universities:												
NC State	10.0	74.0	69.8	100.0	20.7	2.5	96.2	100.0	16.8	40.2	100.0	47.1
NC State Vet.	-	-	100.0	-	-	100.0	-	-	-	-	-	-
UNC-Chapel Hill	0.0	56.8	82.0	92.0	0.0	8.1	52.2	98.2	45.4	87.9	17.8	84.0
UNC-Health Aff.	-	-	100.0	-	100.0	100.0	100.0	100.0	36.2	100.0	90.8	62.4
SUBTOTAL	3.9	64.4	77.6	95.1	4.7	8.7	70.4	98.8	41.5	87.9	54.1	63.0
Other Doctoral Universities:												
UNC-Greensboro	80.9	80.8	76.5	0.0	0.0	0.0	97.0	-	-	-	-	9.7
Comprehensive Universities:												
Appalachian	93.6	100.0	53.0	96.8	15.3	93.4	59.8	97.3	-	100.0	66.4	100.0
East Carolina	36.9	53.4	39.6	55.5	5.2	44.8	100.0	100.0	-	91.4	46.2	100.0
ECU-Health Aff.	-	-	-	-	-	100.0	-	-	-	-	-	-
Fayetteville	100.0	100.0	85.7	-	15.6	100.0	100.0	100.0	0.0	0.0	-	-
NC A & T	78.4	90.9	96.4	100.0	62.5	91.8	100.0	100.0	-	0.0	-	-
NC Central	0.0	0.0	9.6	0.0	35.8	0.0	0.0	0.0	-	0.0	21.3	0.0
UNC-Charlotte	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-	-	-	-
UNC-Wilmington	59.7	40.6	97.5	0.0	27.3	66.1	100.0	95.1	-	38.3	-	30.4
West'n Carolina	78.2	100.0	87.8	97.4	2.0	97.8	78.2	100.0	-	60.0	4.3	54.5
SUBTOTAL	73.6	74.3	69.9	62.2	23.3	73.3	80.9	91.4	0.0	53.1	14.5	39.0
Gen. Baccalaureate Universities:												
Elizabeth City	99.7	100.0	96.3	100.0	15.8	100.0	100.0	100.0	-	100.0	100.0	-
Pembroke	100.0	100.0	55.1	100.0	92.5	100.0	100.0	100.0	-	-	100.0	-
UNC-Asheville	33.6	74.6	73.4	100.0	27.4	100.0	100.0	100.0	-	100.0	100.0	100.0
Winston-Salem	73.0	31.1	16.0	-	59.3	52.7	0.0	100.0	-	100.0	87.3	99.2
SUBTOTAL	78.6	68.7	56.3	100.0	43.6	76.7	75.2	100.0	-	100.0	89.9	99.6
Specialized Institution:												
NC Sch. of Arts	27.6	100.0	70.8	100.0	17.6	49.8	100.0	100.0	100.0	-	-	100.0
Teaching Hospitals:												
UNC Hosp. at C. Hil	-	-	100.0	-	-	-	-	-	-	-	100.0	100.0
Community Colleges:												
SUBTOTAL	94.8	98.2	86.3	95.8	79.3	91.1	98.6	98.9	97.6	98.6	76.6	84.9
PRIVATE INSTITUTIONS												
Major Research Universities:												
SUBTOTAL	86.2	87.6	63.4	99.9	4.7	36.9	26.1	82.4	54.6	93.3	-	79.5
Gen. Baccalaureate Colleges:												
SUBTOTAL	48.6	49.5	35.5	37.3	7.8	24.3	42.7	47.5	0.5	17.9	17.2	7.6
Junior Colleges:												
SUBTOTAL	42.4	45.5	60.5	0.0	3.1	44.0	38.0	31.9	-	8.8	0.0	0.0
GRAND TOTAL	69.9	75.7	67.3	73.4	13.2	41.7	63.8	84.4	45.5	77.5	49.7	54.1

Table 25d

Institutional Administration, Independent Operations & Unassigned Subprograms

(Percentages relate to assignable space in each subprogram.)

INSTITUTION	Exec. Mgmt. 61	Fin. Mgmt. & Opns. 62	Gen. Adm. Log. Svc. 63	Admin. Comput. Spt. 64	Fac/Staff Aux. Svcs. 55	Public Rela/ Devel. 66	Stud. Recruit. Admiss. 67	Stud. Recd. 68	Indep. Opns. Inst. 91	Indep. Opns. Ext. Agency 92	Unassigned Usable 01	Unassigned Unusable 02
Community Colleges:												
Alamance CC	98.7	100.0	100.0	100.0	43.5	100.0	100.0	100.0	-	-	100.0	100.0
Anson CC	100.0	100.0	100.0	0.0	-	-	-	-	-	-	100.0	100.0
Ashev'le-Bun. TCC	6.9	100.0	79.6	0.0	71.6	0.0	100.0	100.0	-	-	28.4	89.9
Beaufort Co. CC	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-	-	58.8	-
Bladen CC	98.0	100.0	100.0	100.0	100.0	-	-	100.0	-	100.0	100.0	-
Blue Ridge CC	100.0	100.0	100.0	0.0	100.0	100.0	-	100.0	-	100.0	-	-
Brunswick CC	100.0	79.6	100.0	100.0	100.0	100.0	100.0	100.0	-	100.0	100.0	0.0
Caldwell CC & TI	100.0	100.0	100.0	100.0	-	100.0	100.0	100.0	-	-	100.0	-
Cape Fear CC	100.0	100.0	98.6	100.0	100.0	100.0	100.0	100.0	-	0.0	-	-
Carteret CC	100.0	100.0	100.0	100.0	100.0	-	-	100.0	-	100.0	-	0.0
Catawba Vy. CC	100.0	100.0	37.2	100.0	100.0	100.0	-	100.0	-	100.0	-	-
C. Carolina CC	98.2	100.0	100.0	-	100.0	-	-	100.0	-	-	-	-
C. Piedmont CC	100.0	86.8	95.0	100.0	52.1	100.0	100.0	100.0	-	-	-	92.0
Cleveland CC	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	-	-	77.6	-
Coastal Car. CC	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-	-	-	-
Col. Albemarle	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-	-	-	-
Craven CC	100.0	100.0	100.0	-	100.0	100.0	-	100.0	-	-	-	-
Davidson Co. CC	100.0	100.0	100.0	100.0	98.6	100.0	100.0	100.0	-	100.0	-	-
Durham TCC	100.0	100.0	100.0	100.0	83.5	100.0	100.0	100.0	-	100.0	-	-
Edgecombe CC	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	-	-	11.5	100.0
Fayettev'le TCC	100.0	99.3	35.7	82.0	100.0	100.0	100.0	100.0	-	-	-	-
Forsyth TCC	99.2	100.0	100.0	100.0	100.0	100.0	100.0	85.8	-	100.0	-	-
Gaston Col.	60.6	100.0	50.2	-	100.0	100.0	100.0	100.0	-	-	100.0	-
Guilford TCC	98.7	84.9	80.8	100.0	84.6	100.0	91.1	100.0	100.0	100.0	9.1	-
Halifax CC	97.1	100.0	98.9	100.0	88.9	100.0	100.0	100.0	-	-	100.0	-
Haywood CC	100.0	100.0	100.0	100.0	100.0	-	100.0	100.0	-	100.0	-	100.0
Isothermal CC	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-	-	-	-
J. Sprunt CC	100.0	100.0	100.0	-	100.0	-	-	100.0	-	-	-	-
Johnston CC	96.1	100.0	97.9	100.0	82.2	-	100.0	100.0	-	-	-	-
Lenoir CC	100.0	100.0	100.0	100.0	100.0	-	100.0	100.0	-	-	-	100.0
Martin CC	100.0	93.5	100.0	100.0	78.6	-	-	100.0	-	57.0	-	-
Mayland CC	100.0	100.0	87.2	100.0	-	-	100.0	93.5	-	-	-	-
McDowell TCC	95.3	97.9	74.5	100.0	0.0	100.0	-	100.0	-	-	-	-
Mitchell CC	12.0	100.0	49.5	-	100.0	52.2	100.0	100.0	-	100.0	74.7	100.0
Montgomery CC	97.3	100.0	100.0	-	-	-	100.0	100.0	-	-	100.0	-
Nash CC	97.9	100.0	95.3	100.0	78.5	100.0	100.0	100.0	-	-	-	-
Pamlico CC	100.0	94.3	100.0	100.0	-	-	-	100.0	-	-	-	-
Piedmont CC	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-	100.0	-	-
Pitt CC	96.8	100.0	77.1	100.0	100.0	100.0	0.0	96.9	-	-	0.0	-
Randolph CC	100.0	100.0	100.0	100.0	100.0	-	-	100.0	-	-	100.0	-
Richmond CC	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-	-	-	-
Roanoke-Cho. CC	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-	-	62.9	-
Robeson CC	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-	-	-	-
Rockingham CC	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-	100.0	100.0	-
Rowan-Cab. CC	100.0	100.0	100.0	-	100.0	-	100.0	100.0	-	-	-	-
Sampson CC	98.1	100.0	100.0	100.0	-	100.0	100.0	100.0	-	-	-	-
Sandhills CC	100.0	100.0	83.4	100.0	4.7	100.0	79.2	100.0	-	100.0	0.0	100.0
Southeastern CC	100.0	100.0	100.0	0.0	-	0.0	100.0	100.0	-	-	-	-
Southwestern CC	100.0	94.6	100.0	100.0	100.0	100.0	100.0	100.0	-	100.0	100.0	-
Stanly CC	100.0	100.0	98.1	100.0	-	100.0	100.0	100.0	-	-	-	-
Surry CC	96.6	96.7	100.0	100.0	82.1	100.0	100.0	-	-	-	-	-
Tri-County CC	100.0	100.0	58.0	100.0	100.0	-	-	100.0	-	-	-	-
Vance-Granv. CC	100.0	100.0	53.0	-	100.0	100.0	100.0	100.0	-	-	100.0	-
Wake TCC	100.0	100.0	56.1	100.0	100.0	100.0	100.0	85.2	-	-	16.0	100.0
Wayne CC	100.0	100.0	98.6	100.0	100.0	100.0	100.0	100.0	-	-	100.0	100.0
W. Piedmont CC	100.0	100.0	100.0	100.0	-	100.0	100.0	100.0	-	-	-	100.0
Wilkes CC	97.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.7	-	-	-
Wilson Co. TC	100.0	100.0	49.8	-	100.0	100.0	100.0	100.0	-	-	-	-
TOTAL	94.8	98.2	86.3	95.8	79.3	91.1	98.6	98.9	97.6	98.6	76.6	84.9

TABLE 26:
ACCESSIBLE AREA BY ROOM CODES

Table 26 indicates for each of the ten summary room codes the amount and percentage of assignable area which is accessible to mobility impaired persons. It represents an additional source of information which, when viewed in conjunction with Tables 25-25d, creates a detailed profile of the accessible space on a campus.

Although such information can be useful to campus administrators in attempting to ensure that all programs are accessible to the mobility impaired, no absolute conclusions can be drawn from the data as to whether program accessibility has been achieved. It is clear, for example, that program accessibility does not require that an institution make all of its classrooms accessible. Instead, the institution can simply insure that courses taken by mobility impaired students be scheduled in rooms which are accessible to them.

Dashes in Table 26 indicate that the institution in question did not have any assignable area under the indicated summary room code. A "0" in the "Sq. Ft." column (with an accompanying "0.0" in the "%" column) indicates that the institution did have *assignable* area under the indicated summary room code but that none of it was *accessible*. The chart on page 118 lists all of the room codes which comprise the summary codes used in this table.

Accessible Area by Room Code

Table 26

(Percentages relate to assignable space under each room code.)

INSTITUTION	Total Accessible Area		Classroom Facilities (100)		Laboratory Facilities (200)		Office Facilities (300)		Study Facilities (400)	
	Sq. Ft.	%	Sq. Ft.	%	Sq. Ft.	%	Sq. Ft.	%	Sq. Ft.	%
Major Research Universities:										
NC State	2,321,191	54.9	173,835	83.8	665,685	73.5	638,543	74.2	157,150	90.5
NC State Vet.	201,747	90.6	7,567	98.0	46,828	95.4	31,190	98.1	12,895	97.2
UNC-Chapel Hill	2,685,622	59.2	171,512	78.2	304,981	83.5	555,502	68.7	482,448	78.5
UNC-Health Aff.	1,286,232	94.2	55,735	96.8	426,033	95.0	475,218	93.6	68,865	99.0
SUBTOTAL	6,494,792	62.8	408,649	83.0	1,443,527	81.6	1,700,453	77.0	721,358	82.8
Other Doctoral Universities:										
UNC-Greensboro	1,151,228	64.1	116,607	98.1	150,723	90.1	262,905	81.8	140,697	97.5
Comprehensive Universities:										
Appalachian	1,150,192	57.6	139,584	85.7	146,061	94.6	257,370	80.6	109,081	99.7
East Carolina	1,057,965	50.1	144,100	77.9	217,674	83.7	235,538	68.9	130,876	98.2
ECU-Health Aff.	363,147	93.7	30,251	100.0	120,060	99.7	101,174	96.6	38,195	100.0
Fayetteville	267,075	48.0	24,248	59.3	46,530	77.5	69,721	80.0	55,012	93.7
NC A & T	725,582	50.7	73,218	68.6	137,136	56.4	184,316	71.2	53,074	89.0
NC Central	406,599	40.1	64,724	62.7	40,822	47.9	71,790	42.3	95,260	87.9
UNC-Charlotte	1,325,503	85.6	94,699	99.6	217,226	99.5	251,993	99.9	125,486	98.4
UNC-Wilmington	586,817	59.7	58,996	92.1	61,593	80.4	128,813	78.6	114,735	98.2
West'n Carolina	1,065,324	66.6	82,597	89.9	125,554	96.7	171,323	83.3	118,028	100.0
SUBTOTAL	6,948,204	59.8	712,417	80.9	1,112,656	82.5	1,472,038	77.3	839,747	96.5
Gen. Baccalaureate Universities:										
Elizabeth City	380,924	68.8	34,680	87.8	60,923	94.0	72,087	93.0	34,826	90.0
Pembroke	320,105	66.8	41,147	83.8	35,821	90.3	69,464	89.8	30,716	97.1
UNC-Asheville	426,978	85.8	47,952	97.7	57,887	99.5	64,697	88.4	51,611	99.3
Winston-Salem	377,943	61.5	40,035	64.8	17,604	42.1	58,005	56.4	35,038	95.3
SUBTOTAL	1,505,950	70.2	163,814	82.1	172,235	84.3	264,253	79.9	152,191	95.7
Specialized Institution:										
NC Sch. of Arts	292,542	70.1	15,429	76.3	101,284	94.1	31,223	72.0	17,677	94.9
Teaching Hospitals:										
UNC Hosp. at C. Hill	711,213	99.2	1,564	100.0	650	100.0	209,895	98.3	5,854	100.0
Community Colleges:										
SUBTOTAL	8,215,316	93.8	1,469,053	93.6	2,940,726	95.4	1,280,982	94.7	708,615	96.7
PRIVATE INSTITUTIONS										
Major Research Universities:										
SUBTOTAL	5,137,094	67.2	194,692	78.8	892,723	90.7	1,320,485	82.1	536,164	93.2
Gen. Baccalaureate Colleges:										
SUBTOTAL	4,596,221	41.3	406,133	54.1	388,705	52.4	552,920	48.9	524,401	72.9
Junior Colleges:										
SUBTOTAL	637,689	48.8	57,603	60.4	60,936	56.2	58,921	52.1	54,813	71.7
GRAND TOTAL	35,690,249	63.9	3,545,961	81.0	7,264,165	85.3	7,154,075	77.6	3,701,517	88.7

Accessible Area by Room Code

Table 26

(Percentages relate to assignable space under each room code.)

Special Use Facilities (500)		General Use Facilities (600)		Supporting Facilities (700)		Health Care Facilities (800)		Residential Facilities (900)		Unclassified Facilities (000)		INSTITUTION
Sq. Ft.	%	Sq. Ft.	%	Sq. Ft.	%	Sq. Ft.	%	Sq.Ft.	%	Sq. Ft.	%	
												Major Research Universities:
219,494	43.3	257,993	71.0	108,366	53.7	11,089	97.7	75,685	7.8	13,351	60.1	NC State
33,931	67.1	10,496	94.7	6,563	100.0	52,277	99.1	-	-	-	-	NC State Vet.
454,006	86.5	394,678	76.2	203,038	74.3	-	-	101,330	8.8	18,127	33.9	UNC-Chapel Hill
71,981	95.9	46,660	99.9	23,116	70.6	91,362	97.4	0	0.0	27,262	84.1	UNC-Health Aff.
779,412	67.3	709,827	75.6	341,083	66.3	154,728	98.0	177,015	8.3	58,740	54.3	SUBTOTAL
												Other Doctoral Universities:
86,318	87.5	209,233	71.8	86,174	84.0	9,044	96.1	84,593	17.2	4,934	9.7	UNC-Greensboro
												Comprehensive Universities:
118,139	57.6	258,796	80.4	63,475	61.1	11,921	99.6	43,737	7.2	2,028	80.5	Appalachian
120,351	72.0	163,635	72.4	35,799	50.2	-	-	8,737	1.2	1,255	100.0	East Carolina
19,423	64.3	7,943	89.3	10,289	64.8	35,812	92.3	-	-	-	-	ECU-Health Aff.
14,627	31.3	36,455	42.2	15,872	58.5	0	0.0	4,610	3.2	-	-	Fayetteville
125,501	63.1	110,909	66.5	31,212	89.9	6,016	100.0	4,200	1.2	-	-	NC A & T
81,179	59.4	29,809	29.2	5,795	16.6	0	0.0	14,892	5.8	2,328	24.4	NC Central
94,579	96.2	205,805	97.7	35,900	100.0	6,162	90.9	293,653	58.3	-	-	UNC-Charlotte
66,211	64.3	82,939	82.6	26,590	86.5	1,219	100.0	34,235	11.8	11,486	30.4	UNC-Wilmington
156,229	79.3	203,804	82.0	59,091	78.3	1,924	45.0	135,186	26.7	11,588	54.5	West'n Carolina
796,239	67.3	1,100,095	74.8	284,023	66.1	63,054	81.2	539,250	15.9	28,685	39.6	SUBTOTAL
												Gen. Baccalaureate Universities:
63,204	91.7	78,213	91.4	14,543	94.9	0	0.0	22,249	14.1	199	100.0	Elizabeth City
47,179	76.5	72,461	85.6	14,924	69.8	1,396	47.1	6,997	6.3	-	-	Pembroke
12,934	37.8	54,697	93.7	17,068	95.8	1,192	100.0	79,701	69.7	39,239	100.0	UNC-Asheville
59,925	90.2	80,781	89.0	14,893	63.5	0	0.0	23,239	16.8	48,423	97.2	Winston-Salem
183,242	79.2	286,152	89.6	61,428	78.8	2,588	22.5	132,186	25.4	87,861	98.4	SUBTOTAL
												Specialized Institution:
5,493	43.7	59,026	76.5	21,622	93.8	0	0.0	20,064	21.7	20,724	100.0	NC Sch. of Arts
												Teaching Hospitals:
1,730	100.0	41,429	100.0	43,725	99.5	393,644	99.5	4,199	100.0	8,523	100.0	UNC Hosp. at C. Hill
												Community Colleges:
432,942	88.8	916,951	96.0	354,334	82.5	1,480	82.4	897	9.4	109,336	80.6	SUBTOTAL
						PRIVATE INSTITUTIONS						
												Major Research Universities:
276,125	59.7	636,917	77.2	286,770	59.8	764,952	98.8	192,196	11.7	36,070	79.5	SUBTOTAL
												Gen. Baccalaureate Colleges:
889,237	70.6	1,107,356	58.0	163,553	38.9	22,940	55.6	529,177	13.3	11,799	7.5	SUBTOTAL
												Junior Colleges:
83,092	61.8	167,679	69.2	32,177	74.2	3,629	41.2	118,839	24.9	0	0.0	SUBTOTAL
3,533,830	70.3	5,234,665	74.0	1,674,889	65.3	1,416,059	95.7	1,798,416	14.1	366,672	52.7	GRAND TOTAL

Accessible Area by Room Code

Table 26

(Percentages relate to assignable space under each room code.)

INSTITUTION	Total Accessible Area		Classroom Facilities (100)		Laboratory Facilities (200)		Office Facilities (300)		Study Facilities (400)	
	Sq. Ft.	%	Sq. Ft.	%	Sq. Ft.	%	Sq. Ft.	%	Sq. Ft.	%
Community Colleges:										
Alamance CC	137,720	99.4	27,481	100.0	57,051	99.7	20,972	99.9	7,884	100.0
Anson CC	49,234	83.1	6,302	88.3	12,977	72.9	6,157	61.8	7,668	100.0
Ashev'le-Bun. TCC	257,389	88.8	63,367	87.3	99,746	92.8	25,604	76.0	8,205	83.0
Beaufort Co. CC	92,223	92.1	12,024	75.0	34,449	100.0	14,968	88.9	8,925	100.0
Bladen CC	75,636	95.7	10,041	100.0	31,220	93.3	8,814	94.0	5,240	100.0
Blue Ridge CC	121,781	99.5	21,384	100.0	45,927	99.0	13,326	99.5	10,734	100.0
Brunswick CC	95,796	86.1	16,169	100.0	19,090	74.4	16,221	97.5	8,361	60.3
Caldwell CC & TI	140,218	93.3	20,182	89.6	50,988	87.8	20,644	97.9	12,941	100.0
Cape Fear CC	148,628	97.5	18,961	96.4	67,001	98.8	31,005	98.4	13,699	100.0
Carteret CC	110,727	87.7	15,330	86.9	38,183	96.2	9,199	81.1	6,361	91.4
Catawba Vy. CC	178,657	88.1	38,838	100.0	69,722	82.7	28,094	99.0	17,661	100.0
C. Carolina CC	127,040	98.0	22,605	100.0	59,404	97.2	20,528	97.8	8,507	97.1
C. Piedmont CC	505,639	96.4	97,635	97.2	187,338	98.1	88,025	96.2	53,437	100.0
Cleveland CC	133,957	98.7	21,348	94.3	45,297	100.0	17,579	99.1	13,500	100.0
Coastal Car. CC	159,731	100.0	25,682	100.0	68,584	100.0	23,530	100.0	15,190	100.0
Col. Albemarle	119,153	99.9	17,884	100.0	38,952	99.7	17,895	100.0	12,917	99.8
Craven CC	105,216	99.6	24,938	100.0	40,296	99.0	14,520	99.6	14,418	100.0
Davidson Co. CC	144,533	98.4	28,755	100.0	43,366	100.0	23,375	100.0	15,832	98.4
Durham TCC	147,911	92.2	26,213	87.5	60,066	98.6	27,986	96.3	13,147	100.0
Edgecombe CC	90,204	84.3	17,967	76.5	27,723	83.6	15,487	99.1	9,608	100.0
Fayettev'le TCC	269,082	91.4	49,886	97.9	80,637	92.1	57,071	93.8	14,552	98.6
Forsyth TCC	303,514	98.2	62,243	100.0	111,469	96.1	46,160	99.4	20,244	100.0
Gaston Col.	186,166	93.3	42,533	94.8	76,730	97.0	29,679	94.4	9,772	100.0
Guilford TCC	335,068	79.8	71,791	81.0	113,532	78.7	57,806	85.5	27,424	91.7
Halifax CC	95,886	99.3	16,383	100.0	30,637	100.0	19,262	99.6	11,571	100.0
Haywood CC	172,928	87.6	11,880	73.7	94,941	94.0	18,718	94.7	7,038	100.0
Isothermal CC	148,995	87.9	25,572	92.4	52,898	88.8	17,986	95.3	3,004	26.5
J. Sprunt CC	83,123	96.1	13,335	97.4	32,768	98.4	17,479	94.8	4,368	100.0
Johnston CC	138,435	98.8	26,807	100.0	46,551	99.5	13,548	99.7	9,497	100.0
Lenoir CC	170,734	98.4	32,262	97.0	42,681	97.3	24,013	98.2	19,239	98.9
Martin CC	109,424	97.8	10,682	93.9	48,830	99.5	12,566	91.3	13,448	100.0
Mayland CC	58,705	99.0	11,954	100.0	13,654	99.6	10,965	99.9	8,531	100.0
McDowell TCC	69,719	96.2	14,954	92.3	31,413	98.4	10,866	97.9	4,962	100.0
Mitchell CC	149,974	84.0	29,706	94.1	47,924	96.6	19,777	81.3	14,231	99.2
Montgomery CC	50,361	99.7	6,529	100.0	24,818	99.9	6,450	98.1	3,043	100.0
Nash CC	126,724	99.0	31,150	97.9	57,400	99.9	21,236	98.5	4,400	100.0
Pamlico CC	27,496	95.7	4,363	100.0	11,183	100.0	4,419	98.5	3,916	100.0
Piedmont CC	96,956	98.7	12,501	97.1	26,495	97.9	14,552	98.9	7,377	100.0
Pitt CC	142,598	92.7	23,573	91.7	60,008	96.2	20,176	76.3	19,711	100.0
Randolph CC	141,525	100.0	25,470	100.0	57,893	100.0	23,356	100.0	9,826	100.0
Richmond CC	104,408	91.3	15,213	86.1	40,351	94.1	22,270	93.7	10,351	90.4
Roanoke-Cho. CC	80,175	95.9	14,375	100.0	29,553	100.0	11,315	99.7	7,512	100.0
Robeson CC	132,923	97.6	20,819	100.0	47,177	99.9	23,755	99.9	11,391	100.0
Rockingham CC	181,823	94.3	32,069	95.5	57,222	95.2	24,194	99.6	12,697	100.0
Rowan-Cab. CC	146,324	100.0	34,433	100.0	46,451	100.0	22,700	100.0	15,163	100.0
Sampson CC	85,856	98.1	13,148	100.0	29,662	98.4	18,402	99.7	10,424	100.0
Sandhills CC	185,825	93.4	35,154	96.1	50,272	98.9	30,991	93.6	19,753	100.0
Southeastern CC	103,231	81.1	11,097	49.9	40,621	93.2	13,876	66.2	10,446	80.8
Southwestern CC	136,674	95.6	24,135	100.0	32,749	100.0	26,532	99.2	10,015	100.0
Stanly CC	73,698	100.0	15,516	100.0	26,741	100.0	13,338	99.8	5,223	100.0
Surry CC	125,179	93.5	13,746	64.3	44,693	100.0	16,926	96.7	11,261	100.0
Tri-County CC	80,124	96.6	17,606	98.1	35,455	99.6	7,247	97.3	5,267	84.7
Vance-Granv. CC	123,129	97.2	21,315	97.7	42,214	100.0	18,636	99.1	9,715	100.0
Wake TCC	226,416	91.9	44,246	91.8	65,524	93.6	48,425	98.7	30,624	100.0
Wayne CC	205,696	95.6	38,389	93.8	58,170	92.3	29,540	94.7	24,447	100.0
W. Piedmont CC	128,714	96.1	23,541	99.7	38,761	99.9	23,476	99.3	13,216	100.0
Wilkes CC	160,682	97.1	22,004	94.9	42,305	99.9	20,112	98.0	10,904	100.0
Wilson Co. TC	115,633	98.5	15,567	100.0	52,963	100.0	19,233	96.7	9,817	100.0
TOTAL	8,215,316	93.8	1,469,053	93.6	2,940,726	95.4	1,280,982	94.7	708,615	96.7

Accessible Area by Room Code

Table 26

(Percentages relate to assignable space under each room code.)

Special Use Facilities (500)		General Use Facilities (600)		Supporting Facilities (700)		Health Care Facilities (800)		Residential Facilities (900)		Unclassified Facilities (000)		INSTITUTION
Sq. Ft.	%	Sq. Ft.	%	Sq. Ft.	%	Sq. Ft.	%	Sq. Ft.	%	Sq. Ft.	%	
												Community Colleges:
6,886	100.0	10,261	100.0	5,871	100.0	-	-	0	0.0	1,314	100.0	Alamance CC
240	100.0	4,416	89.0	4,769	100.0	-	-	-	-	6,705	100.0	Anson CC
24,417	97.6	13,541	96.7	11,209	81.9	-	-	-	-	11,300	84.0	Asheville-Bun. TCC
955	100.0	10,546	88.8	9,398	100.0	-	-	-	-	958	58.8	Beaufort Co. CC
253	100.0	14,101	96.3	4,535	100.0	-	-	-	-	1,432	100.0	Bladen CC
6,002	100.0	15,325	99.8	9,083	99.2	-	-	-	-	-	-	Blue Ridge CC
1,714	100.0	14,198	100.0	3,741	100.0	-	-	-	-	16,302	84.4	Brunswick CC
15,188	98.8	11,530	100.0	6,693	100.0	-	-	-	-	2,052	100.0	Caldwell CC & TI
2,189	100.0	13,226	89.4	2,547	100.0	-	-	0	0.0	-	-	Cape Fear CC
1,275	100.0	22,272	95.5	18,107	92.4	-	-	-	-	0	0.0	Carteret CC
6,674	92.4	14,854	100.0	2,814	24.6	-	-	-	-	-	-	Catawba Vy. CC
3,474	100.0	8,235	100.0	4,271	97.3	16	45.7	-	-	-	-	C. Carolina CC
29,748	92.2	29,652	90.8	12,919	100.0	-	-	0	0.0	6,885	92.0	C. Piedmont CC
11,752	100.0	16,734	100.0	7,515	95.5	-	-	-	-	232	100.0	Cleveland CC
4,032	100.0	16,478	100.0	6,235	100.0	-	-	-	-	-	-	Coastal Car. CC
726	100.0	27,169	100.0	3,610	100.0	-	-	-	-	-	-	Col. Albemarle
1,797	100.0	7,909	100.0	1,338	100.0	-	-	-	-	-	-	Craven CC
16,056	89.5	12,446	98.5	4,703	100.0	-	-	-	-	-	-	Davidson Co. CC
2,441	74.9	12,025	82.8	6,033	63.5	-	-	-	-	-	-	Durham TCC
1,346	100.0	13,699	99.1	1,171	100.0	-	-	-	-	3,203	36.5	Edgecombe CC
15,280	84.9	40,104	100.0	11,174	50.8	378	100.0	-	-	-	-	Fayettev'le TCC
17,369	98.4	35,484	98.9	10,545	100.0	-	-	-	-	-	-	Forsyth TCC
3,730	61.4	22,553	94.0	890	21.8	279	100.0	-	-	-	-	Gaston Col.
10,518	53.5	40,827	91.6	13,086	54.6	84	100.0	-	-	0	0.0	Guilford TCC
1,069	100.0	12,627	99.5	4,337	88.2	-	-	-	-	-	-	Halifax CC
18,791	61.4	11,163	100.0	7,909	84.7	-	-	233	100.0	2,255	100.0	Haywood CC
29,170	99.3	10,882	82.9	9,483	100.0	-	-	-	-	-	-	Isothermal CC
2,969	100.0	9,160	95.5	3,044	74.5	-	-	-	-	-	-	J. Sprunt CC
11,761	90.0	24,735	99.7	5,536	99.1	-	-	-	-	-	-	Johnston CC
21,620	99.8	14,530	100.0	6,632	100.0	-	-	125	100.0	9,632	100.0	Lenoir CC
5,808	100.0	11,890	100.0	6,200	94.4	-	-	-	-	-	-	Martin CC
4,989	100.0	5,493	100.0	3,119	84.7	-	-	-	-	-	-	Mayland CC
1,127	100.0	3,888	97.4	2,399	78.9	110	100.0	-	-	-	-	McDowell TCC
10,195	60.6	20,559	69.6	2,200	40.5	-	-	-	-	5,382	77.7	Mitchell CC
1,538	100.0	4,096	100.0	2,436	100.0	-	-	-	-	1,451	100.0	Montgomery CC
-	-	9,006	97.8	3,532	100.0	-	-	-	-	-	-	Nash CC
465	100.0	2,114	100.0	1,036	47.2	-	-	-	-	-	-	Pamlico CC
12,031	100.0	13,255	98.9	10,745	100.0	-	-	-	-	-	-	Piedmont CC
8,333	97.7	6,818	100.0	3,979	100.0	-	-	-	-	0	0.0	Pitt CC
4,769	100.0	12,650	100.0	7,381	100.0	-	-	-	-	180	100.0	Randolph CC
1,445	100.0	10,863	94.0	3,815	69.6	100	100.0	-	-	-	-	Richmond CC
1,087	100.0	6,994	100.0	5,504	100.0	-	-	-	-	3,835	53.1	Roanoke-Cho. CC
1,747	100.0	21,732	87.0	6,302	100.0	-	-	-	-	-	-	Robeson CC
22,393	77.9	23,416	99.2	9,600	100.0	-	-	-	-	232	100.0	Rockingham CC
3,597	100.0	16,413	100.0	7,567	100.0	-	-	-	-	-	-	Rowan-Cab. CC
0	0.0	10,003	100.0	4,217	100.0	-	-	-	-	-	-	Sampson CC
10,255	83.6	31,579	99.2	7,072	87.0	-	-	539	9.7	210	26.5	Sandhills CC
9,969	98.3	11,872	100.0	5,350	95.7	-	-	-	-	-	-	Southeastern CC
4,491	57.2	30,609	100.0	5,407	66.1	-	-	-	-	2,736	100.0	Southwestern CC
1,444	100.0	10,282	100.0	1,154	100.0	-	-	-	-	-	-	Stanly CC
17,796	100.0	14,888	97.0	5,869	100.0	-	-	-	-	-	-	Surry CC
-	-	13,749	100.0	800	40.2	-	-	-	-	-	-	Tri-County CC
2,764	100.0	20,823	100.0	2,176	42.6	-	-	-	-	5,486	100.0	Vance-Granv. CC
4,621	95.2	18,260	97.6	10,498	53.5	328	100.0	-	-	3,890	77.9	Wake TCC
3,643	100.0	24,004	98.5	13,165	100.0	131	100.0	-	-	14,207	100.0	Wayne CC
4,932	96.7	12,628	100.0	2,649	35.7	54	100.0	-	-	9,457	100.0	W. Piedmont CC
22,591	99.9	31,347	90.8	11,419	100.0	-	-	-	-	-	-	Wilkes CC
1,470	100.0	7,038	100.0	9,545	92.0	0	0.0	-	-	-	-	Wilson Co. TC
432,942	88.8	916,951	96.0	354,334	82.5	1,480	82.4	897	9.4	109,336	80.6	TOTAL

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Institutional Index

Institution	Type*	FICE Code	County	City	Congr. Dist.**
Alamance Community College	1-3	005463	Alamance	Haw River 27258	06
Anson Community College	1-3	007985	Anson	Ansonville 28007	08
Appalachian State University	1-2	002906	Watauga	Boone 28608	10
Asheville-Buncombe TCC	1-3	004033	Buncombe	Asheville 28801	11
Barber-Scotia College	2-2	002909	Cabarrus	Concord 28025	08
Barton College	2-2	002908	Wilson	Wilson 27893	02
Beaufort County CC	1-3	008558	Beaufort	Washington 27889	01
Belmont Abbey College	2-2	002910	Gaston	Belmont 28012	10
Bennett College	2-2	002911	Guilford	Greensboro 27420	06
Bladen Community College	1-3	007987	Bladen	Dublin 28332	03
Blue Ridge Community College	1-3	009684	Henderson	Flat Rock 28731	11
Bowman Gray Sch. of Medicine	2-2		Forsyth	Winston-Salem 27103	05
Brevard College	2-3	002912	Transylvania	Brevard 28712	11
Brunswick Community College	1-3	029275	Brunswick	Supply 28462	07
Caldwell CC & TI	1-3	004835	Caldwell	Hudson 28638-1399	10
Campbell University	2-2	002913	Harnett	Buie's Creek 27506	03
Cape Fear Community College	1-3	005320	New Hanover	Wilmington 28401	07
Carteret Community College	1-3	008081	Carteret	Morehead City 28557	01
Catawba College	2-2	002914	Rowan	Salisbury 28144	08
Catawba Valley CC	1-3	005318	Catawba	Hickory 28601	10
Central Carolina CC	1-3	005449	Lee	Sanford 27330	03
Central Piedmont CC	1-3	002915	Mecklenburg	Charlotte 28204	09
Chowan College	2-3	002916	Hertford	Murfreesboro 27855	01
Cleveland Community College	1-3	008082	Cleveland	Shelby 28150	10
Coastal Carolina CC	1-3	008084	Onslow	Jacksonville 28540	03
College of the Albemarle	1-3	002917	Pasquotank	Elizabeth City 27909	01
Craven Community College	1-3	008086	Craven	New Bern 28560	01
Davidson College	2-2	002918	Mecklenburg	Davidson 28036	09
Davidson County CC	1-3	002919	Davidson	Lexington 27292	06
Duke University	2-1	002920	Durham	Durham 27706	02
Duke Medical Center	2-2		Durham	Durham 27706	02
Durham Technical CC	1-3	005448	Durham	Durham 27703	02
East Carolina University	1-2	002923	Pitt	Greenville 27834	01
ECU-Health Affairs	1-1		Pitt	Greenville 27834	01
Edgecombe Community College	1-3	008855	Edgecombe	Tarboro 27886	02
Elizabeth City State University	1-2	002926	Pasquotank	Elizabeth City 27909	01
Elon College	2-2	002927	Alamance	Elon College 27244	06
Fayetteville State University	1-2	002928	Cumberland	Fayetteville 28301	07
Fayetteville TCC	1-3	007640	Cumberland	Fayetteville 28303	07
Forsyth TCC	1-3	005317	Forsyth	Winston-Salem 27103	05
Gardner-Webb College	2-2	002929	Cleveland	Boiling Springs 28017	10
Gaston College	1-3	002973	Gaston	Dallas 28034	10
Greensboro College	2-2	002930	Guilford	Greensboro 27420	06
Guilford College	2-2	002931	Guilford	Greensboro 27410	06
Guilford Technical CC	1-3	004838	Guilford	Jamestown 27282	06
Halifax Community College	1-3	007986	Halifax	Weldon 27890	02
Haywood Community College	1-3	008083	Haywood	Clyde 28721	11

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Institution	Type*	FICE Code	County	City	Congr. Dist.**
High Point College	2-2	002933	Guilford	High Point 27262	06
Isothermal Community College	1-3	002934	Rutherford	Spindale 28160	11
James Sprunt Community College	1-3	007687	Duplin	Kenansville 28349	03
Johnson C. Smith University	2-2	002936	Mecklenburg	Charlotte 28216	09
Johnston Community College	1-3	009336	Johnston	Smithfield 27577	03
Lees-McRae College	2-3	002939	Avery	Banner Elk 28604	10
Lenoir Community College	1-3	002940	Lenoir	Kinston 28501	01
Lenoir-Rhyne College	2-2	002941	Catawba	Hickory 28603	10
Livingstone College	2-2	002942	Rowan	Salisbury 28144	08
Louisburg College	2-3	002943	Franklin	Louisburg 27549	04
Mars Hill College	2-2	002944	Madison	Mars Hill 28754	11
Martin Community College	1-3	007988	Martin	Williamston 27892	01
Mayland Community College	1-3	011197	Mitchell	Spruce Pine 28777	11
McDowell Community College	1-3	008085	McDowell	Marion 28752	11
Meredith College	2-2	002945	Wake	Raleigh 27607-5298	04
Methodist College	2-2	002946	Cumberland	Fayetteville 28301	07
Mitchell Community College	1-3	002947	Iredell	Statesville 28677	09
Montgomery Community College	1-3	008087	Montgomery	Troy 27371	08
Montreat-Anderson College	2-3	002948	Buncombe	Montreat 28757	11
Mount Olive College	2-2	002949	Wayne	Mount Olive 28365	03
Nash Community College	1-3	008557	Nash	Rocky Mount 27801	02
N. C. A & T State University	1-2	002905	Guilford	Greensboro 27411	06
N. C. Central University	1-2	002950	Durham	Durham 27707	02
N. C. School of the Arts	1-2	003981	Forsyth	Winston-Salem 27107	05
N. C. State University	1-1	002972	Wake	Raleigh 27650	04
NCSU Veterinary School	1-1		Wake	Raleigh 27650	04
N. C. Wesleyan College	2-2	002951	Nash	Rocky Mount 27801	02
Pamlico Community College	1-3	007031	Pamlico	Grantsboro 28529	01
Peace College	2-3	002953	Wake	Raleigh 27604	04
Pembroke State University	1-2	002954	Robeson	Pembroke 28372	07
Pfeiffer College	2-2	002955	Stanly	Misenheimer 28109	08
Piedmont Bible College	2-2	002956	Forsyth	Winston-Salem 27101	05
Piedmont Community College	1-3	009646	Person	Roxboro 27573	02
Pitt Community College	1-3	004062	Pitt	Greenville 27834	01
Queens College	2-2	002957	Mecklenburg	Charlotte 28274-0001	09
Randolph Community College	1-3	005447	Randolph	Asheboro 27203	04
Richmond Community College	1-3	005464	Richmond	Hamlet 28345	08
Roanoke-Chowan CC	1-3	008613	Hertford	Ahoskie 27910	01
Robeson Community College	1-3	008612	Robeson	Lumberton 28358	07
Rockingham Community College	1-3	002958	Rockingham	Wentworth 27375	05
Rowan-Cabarrus CC	1-3	005754	Rowan	Salisbury 28144	08
Saint Andrews Presbyterian C.	2-2	002967	Scotland	Laurinburg 28352	08
Saint Augustine's College	2-2	002968	Wake	Raleigh 27611	04
Saint Mary's College	2-3	002969	Wake	Raleigh 27603-1689	04
Salem College	2-2	002960	Forsyth	Winston-Salem 27108	05
Sampson Community College	1-3	007892	Sampson	Clinton 28328	03
Sandhills Community College	1-3	002961	Moore	Southern Pines 28327	03
Shaw University	2-2	002962	Wake	Raleigh 27602	04
Southeastern Community College	1-3	002964	Columbus	Whiteville 28472	07
Southwestern Community College	1-3	008466	Jackson	Sylva 28779	11

Institution	Type*	FICE Code	County	City	Congr. Dist.**
Stanly Community College	1-3	011194	Stanly	Albemarle 28001	08
Surry Community College	1-3	002970	Surry	Dobson 27017	05
Tri-County Community College	1-3	009430	Cherokee	Murphy 28906	11
U. of N. C. at Asheville	1-2	002907	Buncombe	Asheville 28814	11
U. of N. C. at Chapel Hill	1-1	002974	Orange	Chapel Hill 27514	04
U. of N. C. at Charlotte	1-2	002975	Mecklenburg	Charlotte 28223	09
U. of N. C. at Greensboro	1-2	002976	Guilford	Greensboro 27412	06
U. of N. C. Health Affairs	1-1		Orange	Chapel Hill 27514	04
U. of N. C. at Wilmington	1-2	002984	New Hanover	Wilmington 28406	07
Vance-Granville Community College	1-3	009903	Vance	Henderson 27536	02
Wake Forest University	2-1	002978	Forsyth	Winston-Salem 27109	05
Wake Technical CC	1-3	004844	Wake	Raleigh 27603	04
Warren Wilson College	2-2	002979	Buncombe	Swannanoa 28778	11
Wayne Community College	1-3	002980	Wayne	Goldsboro 27530	03
Western Carolina University	1-2	002981	Jackson	Cullowhee 28723	11
Western Piedmont CC	1-3	002982	Burke	Morganton 28655	10
Wilkes Community College	1-3	002983	Wilkes	Wilkesboro 28697	05
Wilson County TC	1-3	004845	Wilson	Wilson 27893	02
Wingate College	2-2	002985	Union	Wingate 28174	08
Winston-Salem State University	1-2	002986	Forsyth	Winston-Salem 27102	05

*The Type Code in this index indicates the control and level of the institution. Controls are a "1" for public and a "2" for private institutions. The level codes, which follow the dash, are a "1" for doctoral, a "2" for baccalaureate and graduate levels less than doctoral, and a "3" for 2-year institutions.

**Based on 1980 census.

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